



THEOR 201.1 US (09907976)

#7

CERTIFICATE OF MAIL: I hereby certify that this correspondence is being transmitted via FIRST CLASS MAIL to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Dated: 4/16/04

Signature: Fani Malikouzakis  
(Fani Malikouzakis)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
William W. LEE et al.

Application No.: 09/689,429

Group Art Unit: 2143

Filed: October 12, 2000

Examiner: Mitra Kianersi

For: SMART HANDLE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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APR 21 2004

Technology Center 2100

**DECLARATION UNDER 37 C.F.R. § 131**

Dear Sir:

WE, WILLIAM W. LEE AND JULIAN PELENUR DECLARE AND STATE THAT:

1. We are the co-inventors of the "Smart Handle" described and claimed in the above-identified U.S. Patent Application ("the Present Application").
2. We were advised and therefore believe that the Present Application was filed as a continuation-in-part of U.S. Provisional Patent Application Serial No. 60/158,686 filed October 12, 1999 ("the Provisional Application").
3. The Present Application was assigned to BEA Systems, Inc. by all of the inventors on October 10, 2000 and October 16, 2000. Exhibit A is a copy of the Notice of Recordation of Assignment document evidencing the recordation of the assignment on December 18, 2000.

4. Well prior to February 26, 1999, the claimed invention shown and described in the provisional and present applications was conceived and reduced to practice.

5. Exhibit B is a document written well prior to February 26, 1999 and contains source code for SmartHandle.java.

6. Exhibit C is a document written well prior to February 26, 1999 and contains a UML diagram describing the Object involved in the Assignee's Business Object Model, including the Smart Handle. The document is a Rational Rose Model file.

7. We further declare that all statement made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: \_\_\_\_\_

Signed: \_\_\_\_\_  
William W. LEE

Date: 3/29/2004

Signed:   
Julian PELENUR



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APR 21 2004

Date: 3/29/04

Signed:   
William W. LEE

Technology Center 2100

Date: \_\_\_\_\_

Signed: \_\_\_\_\_  
Julian PELENUR



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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Washington, D.C. 20231

MARCH 05, 2001

PTAS

FULBRIGHT & JAWORSKI LLP  
C. ANDREW IM  
666 FIFTH AVENUE  
NEW YORK, NY 10103



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NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT Technology Center 2100

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/18/2000

REEL/FRAME: 011360/0241  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, WILLIAM W.

DOC DATE: 10/10/2000

ASSIGNOR:

PELENUR, JULIAN

DOC DATE: 10/16/2000

ASSIGNEE:

BEA SYSTEM, INC.  
2315 NORTH FIRST STREET  
SAN JOSE, CALIFORNIA 95134

SERIAL NUMBER: 09689429  
PATENT NUMBER:

FILING DATE: 10/12/2000  
ISSUE DATE:

SAUNDRA BALLENGER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

FULBRIGHT & JAWORSKI, LLP  
NEW YORK DOCKETING

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Previously ☐ Updated ☒

Docket No: THEOR 201.1/CA

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Reminder: -

Date Due/Done: -

Initials: WJ



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12-27-2000

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Patent and Trademark Office

THEOR 203 PROV - CAI

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

William W. LEE  
Julian PELENUR

12-18-00

2. Name and address of receiving party(ies):

Name: BEA Systems, Inc.

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Internal Address: \_\_\_\_\_

APR 21 2004

Technology Center 2100

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐

Merger

☐ Security Agreement☐

Change of Name

☐ Other \_\_\_\_\_Street Address: 2315 North First StreetSan Jose, CA 95134Additional name(s) & address(es) attached? ☐ Yes ☒ NoExecution Date: October 10, 2000 and October 16, 2000

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 09/689,429

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: C. Andrew ImInternal Address: FULBRIGHT & JAWORSKI L.L.P.Street Address: 666 Fifth AvenueCity: New York State: NY Zip: 101036. Total number of applications and patents involved: ☒7. Total fee (37 C.F.R. § 3.41) ..... \$40.00☒ Enclosed☐ Authorization to be charged to deposit account8. Deposit Account Number: 500624

(Attach duplicate of this page if paying by Deposit Account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

C. Andrew Im

Name of Person Signing

Signature

December 15, 2000

Date

Total number of pages including cover sheet, attachment, and document: ☐

Mail documents to be recorded with required cover sheet information to:

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Washington, D.C. 20231

12/20/2000 BHABTEW 00000053 09689429

02 FC:581

40.00 CP

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in SMART HANDLE for which an application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, BEA Systems, Inc. with principal offices located 2315 North First Street, San Jose, CA 95134 (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

Docket Number: THEOR 201.1 US - CAI

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

This assignment executed on the dates indicated below.

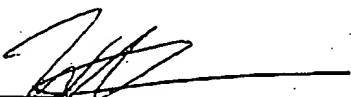
William W. LEE

Name of first or sole inventor

221 Columbus Ave. #702

Boston, MA 02116

Residence of first or sole inventor



Signature of first or sole inventor

10/10/00

Date of this assignment

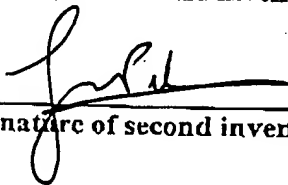
Julian PELENUR

Name of second inventor

1 Mooring Road

Marblehead, MA 01945

Residence of second inventor



Signature of second inventor

10/16/00

Date of this assignment

```
package com.theorycenter.smart.foundation;
```

```
import javax.ejb.*;
```

```
/**
```

```
 * This type was created in VisualAge.
```

```
 */
```

```
public class SmartHandle implements com.theorycenter.smart.util.Comparable,  
java.io.Serializable
```

```
{
```

```
    protected Handle handle = null;
```

```
    protected SmartKey smartKey = null;
```

```
    /*
```

```
     * This is strictly used for serialization purpose
```

```
     */
```

```
    private int okayToSerializeData = 0;
```

```
    /*
```

```
     * This constructor is strictly used by the internals of Business Smart  
Components.
```

```
     * Nobody else should use this.
```

```
     */
```

```
public SmartHandle()
```

```
{
```

```
    this.handle = null;
```

```
    this.smartKey = null;
```

```
    this.okayToSerializeData = 0;
```

```
}
```

```
public SmartHandle(Entity entity) throws java.rmi.RemoteException
```

```
{
```

```
    this.handle = entity.getHandle();
```

```
    this.smartKey = (SmartKey) entity.getPrimaryKey();
```

```
    this.okayToSerializeData = 1;
```

```
}
```

```
public int compareTo(Object o)
```

```
{
```

```
    return smartKey.compareTo(((SmartHandle) o).getSmartKey());
```

```
}
```

```
public boolean equals(Object o)
```

```
{
```

```
    return (compareTo(o) == 0);
```

```
}
```

```
public Handle getHandle()
```

```
{
```

```
    return handle;
```

```
}
```

```
public SmartKey getSmartKey()
```

```
{
```

```
    return smartKey;
```

```
}
```

```
private synchronized void readObject(java.io.ObjectInputStream s) throws  
java.io.IOException, ClassNotFoundException
```

```
{
```

```
    // Read in any hidden serialization magic
```

```

        s.defaultReadObject();

        // Read in flag
        okayToSerializeData = s.readInt();
        if (okayToSerializeData != 0)
        {
            handle = (Handle) s.readObject();
            smartKey = (SmartKey) s.readObject();
        }
    }

private synchronized void writeObject(java.io.ObjectOutputStream s) throws
java.io.IOException
{
    // Write out any hidden serialization magic
    s.defaultWriteObject();

    // Write out flag
    s.writeInt(okayToSerializeData);
    if (okayToSerializeData != 0)
    {
        s.writeObject(handle);
        s.writeObject(smartKey);
    }
}
}

```

Technology Center 2100

```

logical_models      (list unit_reference_list
  (object Class_Category "theorycenter"
    quid      "369CADAC039D"
    exportControl "Public"
    logical_models      (list unit_reference_list
      (object Class_Category "smart"
        quid      "369CADB7028A"
        exportControl "Public"
        logical_models      (list unit_reference_list
          (object Class_Category "foundation"
            quid      "369CADC800CC"
            documentation "These are the base classes to
all objects in the Business Smart Component family"
            exportControl "Public"
            logical_models      (list unit_reference_list
              (object Class "Entity"
                quid      "369CB19D0018"
                documentation "Interface. Functionally
equivalent to EJBEntity. Uses Theory Code Generator to implement itself. Note:
extending Entity does not make you an EntityBean! You can be a transient object
such as a SessionBean"
                stereotype "interface"
                superclasses (list
inheritance_relationship_list
              (object Inheritance_Relationship
                quid      "369CE3C20111"
                supplier   "Logical
View::com::theorycenter::smart::foundation::BusinessSmartComponent"
                quidu      "369CB5540387"))
                abstract   TRUE)
              (object Class "Belonging"
                quid      "369CB5490100"
                documentation "Interface. Lightweight
object who has to be owned by someone. Its lifecycle depends on its owner
(persisted by owner).Uses Theory Code Generator to implement itself"
                stereotype "interface"
                superclasses (list
inheritance_relationship_list
              (object Inheritance_Relationship
                quid      "369CE3CA0131"
                supplier   "Logical
View::com::theorycenter::smart::foundation::BusinessSmartComponent"
                quidu      "369CB5540387"))
                abstract   TRUE)
              (object Class "BusinessSmartComponent"
                quid      "369CB5540387"
                documentation "Interface "
                stereotype "interface"
                superclasses (list
inheritance_relationship_list
              (object Inheritance_Relationship
                quid      "369CF5E40102"
                supplier   "Logical
View::javax::ejb::EJBObject"
                quidu      "369CF53B034E"))
                abstract   TRUE)
              (object Class "Task"

```

```

        quid      "369CE4660153"
        documentation
|Represents a business task or process. It is based on the Command design
pattern. This object is not persisted
|

        stereotype "interface"
        superclasses      (list

inheritance_relationship_list
        (object Inheritance_Relationship
        quid      "369CF5240002"
        supplier   "Logical"
View::com::theorycenter::smart::foundation::Belonging"
        quidu      "369CB5490100"))
        abstract    TRUE)
(object Class "ConfigurableEntity"
        quid      "369CE510028E"
        documentation "An Entity with run-time
configurable attributes. Uses Theory Code Generator to implement itself."
        stereotype "interface"
        superclasses      (list

inheritance_relationship_list
        (object Inheritance_Relationship
        quid      "369CE606010B"
        supplier   "Logical"
View::com::theorycenter::smart::foundation::Entity"
        quidu      "369CB19D0018")
        (object Inheritance_Relationship
        quid      "369CF3E601C7"
        supplier   "Logical"
View::com::theorycenter::smart::foundation::Configurable"
        quidu      "369CF3D90395"))
        abstract    TRUE)
(object Class "Configurable"
        quid      "369CF3D90395"
        stereotype "interface"
        abstract    TRUE)
(object Class "SmartHome"
        quid      "369CF4D3018C"
        stereotype "interface"
        superclasses      (list

inheritance_relationship_list
        (object Inheritance_Relationship
        quid      "369CF4E2036E"
        supplier   "Logical"
View::javax::ejb::EJBHome"
        quidu      "369CF4B202BB"))
        abstract    TRUE))
logical_presentations      (list unit_reference_list
(object ClassDiagram "Main"
        quid      "369CB06F0335"
        title      "Main"
        zoom        100
        max_height  28350
        max_width   21600
        origin_x     0

```



```

origin_y      0
items         (list diagram_item_list
              (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Entity" @1
              ShowCompartmentStereotypes    TRUE
              IncludeAttribute    TRUE
              IncludeOperation    TRUE
              location             (352, 928)
              font                 (object Font
                                   italics      TRUE)
              label                (object ItemLabel
                                   Parent_View  @1
                                   location      (231, 900)
                                   fill_color    13434879
                                   nlines        1
                                   max_width     242
                                   justify        0
                                   label          "Entity")
              stereotype           (object ItemLabel
                                   Parent_View  @1
                                   location      (231, 855)
                                   fill_color    13434879
                                   anchor         10
                                   nlines        1
                                   max_width     242
                                   justify        0
                                   label          "<<interface>>")
              icon                  "interface"
              icon_style            "Label"
              line_color            3342489
              fill_color            13434879
              quidu                 "369CB19D0018"
              width                 260
              height                170
              annotation            8
              autoResize            TRUE)
              (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Belonging" @2
              ShowCompartmentStereotypes    TRUE
              IncludeAttribute    TRUE
              IncludeOperation    TRUE
              location             (1232, 928)
              font                 (object Font
                                   italics      TRUE)
              label                (object ItemLabel
                                   Parent_View  @2
                                   location      (1111, 900)
                                   fill_color    13434879
                                   nlines        1
                                   max_width     242
                                   justify        0
                                   label          "Belonging")
              stereotype           (object ItemLabel
                                   Parent_View  @2
                                   location      (1111, 855)
                                   fill_color    13434879
                                   anchor         10

```

```

        nlines      1
        max_width   242
        justify     0
        label       "<<interface>>")
    icon      "interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu     "369CB5490100"
    width     260
    height    170
    annotation 8
    autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::BusinessSmartComponent" @3
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location      (848, 480)
    font          (object Font
        italics   TRUE)
    label         (object ItemLabel
        Parent_View @3
        location    (589, 452)
        fill_color  13434879
        nlines     1
        max_width   518
        justify     0
        label
"BusinessSmartComponent")

    stereotype (object ItemLabel
        Parent_View @3
        location    (589, 407)
        fill_color  13434879
        anchor      10
        nlines     1
        max_width   518
        justify     0
        label       "<<interface>>")
    icon      "interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu     "369CB5540387"
    width     536
    height    170
    annotation 8
    autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Task" @4
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location      (1232, 1408)
    font          (object Font
        italics   TRUE)
    label         (object ItemLabel

```

```

        Parent_View    @4
        location        (1111, 1380)
        fill_color      13434879
        nlines          1
        max_width       242
        justify         0
        label           "Task")
    stereotype (object ItemLabel
        Parent_View    @4
        location        (1111, 1335)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       242
        justify         0
        label           "<<interface>>")
    icon         "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu         "369CE4660153"
    width         260
    height        170
    annotation    8
    autoResize    TRUE)
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity" @5
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (608, 1408)
    font                (object Font
        italics        TRUE)
    label              (object ItemLabel
        Parent_View    @5
        location        (429, 1380)
        fill_color      13434879
        nlines          1
        max_width       358
        justify         0
        label
"ConfigurableEntity")

    stereotype (object ItemLabel
        Parent_View    @5
        location        (429, 1335)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       358
        justify         0
        label           "<<interface>>")
    icon         "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu         "369CE510028E"
    width         376

```

```

height      170
annotation  8
autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Configurable" @6
ShowCompartmentStereotypes  TRUE
IncludeAttribute  TRUE
IncludeOperation  TRUE
location      (816, 928)
font          (object Font
               italics      TRUE)
label         (object ItemLabel
               Parent_View  @6
               location     (684, 900)
               fill_color   13434879
               nlines       1
               max_width    264
               justify      0
               label        "Configurable")
stereotype    (object ItemLabel
               Parent_View  @6
               location     (684, 855)
               fill_color   13434879
               anchor       10
               nlines       1
               max_width    264
               justify      0
               label        "<<interface>>")
icon          "interface"
icon_style    "Label"
line_color    3342489
fill_color    13434879
quidu        "369CF3D90395"
width         282
height       170
annotation    8
autoResize    TRUE)
(object ClassView "Class" "Logical
View::javax::ejb::EJBHome" @7
ShowCompartmentStereotypes  TRUE
IncludeAttribute  TRUE
IncludeOperation  TRUE
location      (1712, 224)
font          (object Font
               italics      TRUE)
label         (object ItemLabel
               Parent_View  @7
               location     (1591, 173)
               fill_color   13434879
               nlines       1
               max_width    242
               justify      0
               label        "EJBHome")
stereotype    (object ItemLabel
               Parent_View  @7
               location     (1591, 128)
               fill_color   13434879

```

```

        anchor          10
        nlines          1
        max_width       242
        justify         0
        label           "<<interface>>")
    icon          "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    guidu        "369CF4B202BB"
    width        260
    height       216
    annotation    8
    autoResize   TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::SmartHome" @8
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (1712, 592)
    font                (object Font
        italics        TRUE)
    label              (object ItemLabel
        Parent_View    @8
        location       (1584, 564)
        fill_color     13434879
        nlines         1
        max_width      256
        justify        0
        label          "SmartHome")
    stereotype (object ItemLabel
        Parent_View    @8
        location       (1584, 519)
        fill_color     13434879
        anchor         10
        nlines         1
        max_width      256
        justify        0
        label          "<<interface>>")
    icon          "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    guidu        "369CF4D3018C"
    width        274
    height       170
    annotation    8
    autoResize   TRUE)
(object InheritView "" @9
    stereotype    TRUE
    line_color    3342489
    guidu        "369CF4E2036E"
    client       @8
    supplier     @7
    line_style   0)
(object InheritView "" @10
    stereotype    TRUE

```

View::javax::ejb::EJBObject" @13

```
line_color 3342489
quidu      "369CE3C20111"
client     @1
supplier   @3
line_style 0)
(object InheritView "" @11
  stereotype TRUE
  line_color 3342489
  quidu      "369CF5240002"
  client     @4
  supplier   @2
  line_style 0)
(object InheritView "" @12
  stereotype TRUE
  line_color 3342489
  quidu      "369CE3CA0131"
  client     @2
  supplier   @3
  line_style 0)
(object ClassView "Class" "Logical

ShowCompartmentStereotypes TRUE
IncludeAttribute TRUE
IncludeOperation TRUE
location      (848, 160)
font          (object Font
  italics      TRUE)
label         (object ItemLabel
  Parent_View  @13
  location     (727, 109)
  fill_color   13434879
  nlines       1
  max_width    242
  justify      0
  label        "EJBObject")
stereotype    (object ItemLabel
  Parent_View  @13
  location     (727, 64)
  fill_color   13434879
  anchor       10
  nlines       1
  max_width    242
  justify      0
  label        "<<interface>>")
icon          "interface"
icon_style    "Label"
line_color    3342489
fill_color    13434879
quidu         "369CF53B034E"
width         260
height        216
annotation    8
autoResize    TRUE)
(object InheritView "" @14
  stereotype TRUE
  line_color 3342489
  quidu      "369CF5E40102"
```

```

        client      @3
        supplier    @13
        line_style  0)
(object InheritView "" @15
    stereotype TRUE
    line_color  3342489
    quidu       "369CE606010B"
    client      @5
    supplier    @1
    vertices     (list Points
                  (494, 1322)
                  (350, 1215)
                  (351, 1013))
    line_style  0)
(object InheritView "" @16
    stereotype TRUE
    line_color  3342489
    quidu       "369CF3E601C7"
    client      @5
    supplier    @6
    vertices     (list Points
                  (698, 1322)
                  (815, 1215)
                  (815, 1013))
    line_style  0)))))
(object Class_Category "axiom"
    quid         "369CAE2E01A5"
    documentation "These are the common business
objects used by Business Smart Components"
    visible_categories (list
visibility_relationship_list
        (object Visibility_Relationship
            quid         "369CB0E5030D"
            supplier     "Logical
View::com::theorycenter::smart::foundation"
            quidu        "369CADC800CC"))
        exportControl  "Public"
        logical_models (list unit_reference_list
        (object Class "Address"
            quid         "369CD34A0083"
            stereotype   "Interface")
        (object Class "Stakeholder"
            quid         "369CD35202A1"
            documentation "Represents 8*-"
            stereotype   "interface"
            superclasses (list
inheritance_relationship_list
        (object Inheritance_Relationship
            quid         "369D326502DB"
            supplier     "Logical
View::com::theorycenter::smart::foundation::Entity"
            quidu        "369CB19D0018"))
        (object Class "Enterprise"
            quid         "369CD3A7009B"
            documentation
|Represents an Enterprise, the root of an organizational structure.
|

```





```

supplier      "Logical
View::com::theorycenter::smart::foundation::Belonging"
    guidu      "369CB5490100"))
(object Class "AdditionalFee"
  guid        "369CD45F00D1"
  documentation "An amount of money
charged or paid additionally"
    stereotype "interface")
(object Class "Message"
  guid        "369CD46B0101"
  documentation "A text-based
communication between two business entities"
    stereotype "interface"
    superclasses (list
inheritance_relationship_list
    (object Inheritance_Relationship
      guid      "369D350D00EE"
      supplier   "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity"
      guidu      "369CE510028E"))
(object Class "Activity_B"
  guid        "369CD47C00FB"
  documentation "An action that can be
recorded"
    stereotype "interface"
    superclasses (list
inheritance_relationship_list
    (object Inheritance_Relationship
      guid      "369D16EA03D9"
      supplier   "Logical
View::com::theorycenter::smart::foundation::Belonging"
      guidu      "369CB5490100"))
(object Class "History_B"
  guid        "369CD48A012D"
  documentation "A collection of
Activities."
    stereotype "interface"
    superclasses (list
inheritance_relationship_list
    (object Inheritance_Relationship
      guid      "369DF90701E9"
      supplier   "Logical
View::com::theorycenter::smart::foundation::Belonging"
      guidu      "369CB5490100"))
(object Class "PaymentTerm"
  guid        "369CD6C8006A"
  documentation "Calculates payment
amounts"
    stereotype "interface")
(object Class "NewClass"
  guid        "369CD70F027F"
  stereotype "interface")
(object Class "Account"
  guid        "369D013E0287"
  documentation "An alpha-numeric account"
  stereotype "interface")
(object Class "InterestRate"

```

```

        quid          "369D0E9201B1"
        stereotype    "interface")
(object Class "Type_B"
  quid          "369D153D006B"
  stereotype    "interface"
  superclasses  (list

inheritance_relationship_list
        (object Inheritance_Relationship
          quid          "369DF8FB00D4"
          supplier      "Logical
View::com::theorycenter::smart::foundation::Belonging"
          quidu         "369CB5490100"))))
(object Class "Workflow"
  quid          "369DF631002D"
  documentation    "This object manages and
keeps track of a business process in a step-wise manner (process has well-
defined states and there are well-defined state transitions to navigate between
the states."
  stereotype      "Interface"
  superclasses    (list

inheritance_relationship_list
        (object Inheritance_Relationship
          quid          "369DF6F10318"
          supplier      "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity"
          quidu         "369CE510028E")
(object Inheritance_Relationship
  quid          "369E03F501E3"
  supplier      "Logical
View::com::theorycenter::smart::axiom::StateMachine"
          quidu         "369DF7030133"))))
(object Class "StateMachine"
  quid          "369DF7030133"
  documentation    "A State machine has
states and transitions, but on our first release, we may implement this a purely
custom code."
  stereotype      "Interface"
  superclasses    (list

inheritance_relationship_list
        (object Inheritance_Relationship
          quid          "369DF8FF0075"
          supplier      "Logical
View::com::theorycenter::smart::foundation::Entity"
          quidu         "369CB19D0018"))
operations (list Operations
  (object Operation "getState"
    quid          "369DFAD10025"
    documentation  "Returns the current
state "
    result        "Type_B"
    concurrency    "Sequential"
    opExportControl "Public"
    uid            0)
  (object Operation "setState"
    quid          "369DFB2B0314"
    documentation  "Sets the current
State to newState. if newState is invalid, leaves current State unchanged and

```

Throws InvalidStateTransition. This is not a method that should be used normally since it bypasses the state machine transitions"

```
parameters (list Parameters
              (object Parameter "newState"))
result      "void"
concurrency "Sequential"
opExportControl "Protected"
uid          0)
(object Operation "doTransition"
  quid          "369DFB5903D8"
  documentation "Executes
```

transition, returning the new state. If transition is not valid, throws TransitionInvalidException"

```
parameters (list Parameters
              (object Parameter "transition"
                                type      "Type_B"))
result      "Type_B"
concurrency "Sequential"
opExportControl "Public"
uid          0)
(object Operation "reInit"
  quid          "369DFEAA03BB"
  documentation "This resets the
```

state machine back to its initial state."

```
parameters (list Parameters
              (object Parameter "States"
                                type      "Vector"))
result      "void"
concurrency "Sequential"
opExportControl "Public"
uid          0)
(object Operation "defineInitialState"
  quid          "369E03150245"
  documentation
```

|This function defines the initial state of the state machine. It must be called before you try to doTransition().

|  
|throws InvalidStateException

```
parameters (list Parameters
              (object Parameter "state"
                                type      "Type_B"))
result      "void"
concurrency "Sequential"
opExportControl "Public"
uid          0)))
(object Class "Transition_B"
  quid          "369E0113000B"
  stereotype    "interface"
  used_nodes    (list uses_relationship_list
    (object Uses_Relationship
      quid          "369E019C0379"
      supplier      "Logical
```

View::com::theorycenter::smart::axiom::Type\_B"

```
quidu          "369D153D006B"))
class_attributes (list class_attribute_list
  (object ClassAttribute "startState"
```

```

        quid          "369E012D035B"
        type          "Type_B")
    (object ClassAttribute "endState"
      quid          "369E015B039E"
      type          "Type_B")
    (object ClassAttribute "name"
      quid          "369E01790148"
      type          "Type_B"))))
  (object Association "accountGenerator"
    quid          "369D04430076"
    roles          (list role_list
      (object Role "$UNNAMED$0"
        quid          "369D044302E3"
        supplier      "Logical")
    )
  )
View::com::theorycenter::smart::axiom::Company"
  quidu          "369CD3B8015D"
  is_navigable    TRUE
  is_aggregate     TRUE)
  (object Role "$UNNAMED$1"
    quid          "369D044302E4"
    supplier      "Logical")
View::com::theorycenter::smart::axiom::AlphaNumericSequencer"
  quidu          "369CD44B00A0"
  is_navigable    TRUE)))
  (object Association "$UNNAMED$2"
    quid          "369DF75501C7"
    roles          (list role_list
      (object Role "$UNNAMED$3"
        quid          "369DF755034E"
        supplier      "Logical")
    )
  )
View::com::theorycenter::smart::axiom::Workflow"
  quidu          "369DF631002D"
  is_aggregate     TRUE)
  (object Role "$UNNAMED$4"
    quid          "369DF755034F"
    supplier      "Logical")
View::com::theorycenter::smart::axiom::StateMachine"
  quidu          "369DF7030133"
  client_cardinality (value
cardinality "1")
    Containment    "By Value"
    is_navigable    TRUE)))
  (object Association "States"
    quid          "369E00FA013B"
    roles          (list role_list
      (object Role "$UNNAMED$5"
        quid          "369E00FA02F4"
        supplier      "Logical")
    )
  )
View::com::theorycenter::smart::axiom::StateMachine"
  quidu          "369DF7030133"
  is_aggregate     TRUE)
  (object Role "$UNNAMED$6"
    quid          "369E00FA02F5"
    supplier      "Logical")
View::com::theorycenter::smart::axiom::Type_B"
  quidu          "369D153D006B"

```

```

cardinality "n")

client_cardinality (value

Containment "By Value"
is_navigable TRUE)))
(object Association "Transitions"
  quid "369E01A100E1"
  roles (list role_list
    (object Role "$UNNAMED$7"
      quid "369E01A102C2"
      supplier "Logical"
View::com::theorycenter::smart::axiom::StateMachine"
      quidu "369DF7030133"
      is_aggregate TRUE)
    (object Role "$UNNAMED$8"
      quid "369E01A102CC"
      supplier "Logical"
View::com::theorycenter::smart::axiom::Transition_B"
      quidu "369E0113000B"
      client_cardinality (value
cardinality "n")

Containment "By Value"
is_navigable TRUE))))
logical_presentations (list unit_reference_list
  (object ClassDiagram "Main"
    quid "369CB0EB0239"
    title "Main"
    zoom 100
    max_height 28350
    max_width 21600
    origin_x 0
    origin_y 0
    items (list diagram_item_list
      (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Address" @17
      ShowCompartmentStereotypes TRUE
      IncludeAttribute TRUE
      IncludeOperation TRUE
      location (176, 176)
      label (object ItemLabel
        Parent_View @17
        location (46, 150)
        fill_color 13434879
        nlines 1
        max_width 260
        justify 0
        label "Address")
      stereotype (object ItemLabel
        Parent_View @17
        location (46, 105)
        fill_color 13434879
        anchor 10
        nlines 1
        max_width 260
        justify 0
        label "<<Interface>>")
      icon "Interface"
      icon_style "Label"

```

```

line_color 3342489
fill_color 13434879
quidu "369CD34A0083"
width 278
height 164
annotation 8
autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Currency" @18
ShowCompartmentStereotypes TRUE
IncludeAttribute TRUE
IncludeOperation TRUE
location (288, 864)
label (object ItemLabel
  Parent_View @18
  location (167, 838)
  fill_color 13434879
  nlines 1
  max_width 242
  justify 0
  label "Currency")
stereotype (object ItemLabel
  Parent_View @18
  location (167, 793)
  fill_color 13434879
  anchor 10
  nlines 1
  max_width 242
  justify 0
  label "<<interface>>")
icon "interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu "369CD3CB0331"
width 260
height 164
annotation 8
autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Initials_B" @19
ShowCompartmentStereotypes TRUE
IncludeAttribute TRUE
IncludeOperation TRUE
location (1008, 1936)
label (object ItemLabel
  Parent_View @19
  location (878, 1910)
  fill_color 13434879
  nlines 1
  max_width 260
  justify 0
  label "Initials_B")
stereotype (object ItemLabel
  Parent_View @19
  location (878, 1865)
  fill_color 13434879

```

```

        anchor          10
        nlines          1
        max_width       260
        justify         0
        label           "<<interface>>")
    icon          "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu        "369CD3D40262"
    width        278
    height       164
    annotation    8
    autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Authority" @20
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (1568, 1936)
    label              (object ItemLabel
        Parent_View    @20
        location        (1447, 1910)
        fill_color      13434879
        nlines          1
        max_width       242
        justify         0
        label           "Authority")
    stereotype (object ItemLabel
        Parent_View    @20
        location        (1447, 1865)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       242
        justify         0
        label           "<<interface>>")
    icon          "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu        "369CD3DD037D"
    width        260
    height       164
    annotation    8
    autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::BusinessCalendar" @21
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (272, 624)
    label              (object ItemLabel
        Parent_View    @21
        location        (94, 598)
        fill_color      13434879
        nlines          1

```

```

max_width      356
justify        0
label          . "BusinessCalendar")
stereotype     (object ItemLabel
  Parent_View  @21
  location     (94, 553)
  fill_color   13434879
  anchor       10
  nlines       1
  max_width    356
  justify      0
  label        "<<interface>>")
icon           "interface"
icon_style     "Label"
line_color     3342489
fill_color     13434879
quidu         "369CD3F50133"
width          374
height         164
annotation     8
autoResize     TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer" @22
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location     (640, 1456)
  label        (object ItemLabel
    Parent_View @22
    location     (406, 1430)
    fill_color   13434879
    nlines       1
    max_width    468
    justify      0
    label        "AlphaNumericSequencer")

stereotype     (object ItemLabel
  Parent_View  @22
  location     (406, 1385)
  fill_color   13434879
  anchor       10
  nlines       1
  max_width    468
  justify      0
  label        "<<interface>>")
icon           "interface"
icon_style     "Label"
line_color     3342489
fill_color     13434879
quidu         "369CD44B00A0"
width          486
height         164
annotation     8
autoResize     TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Payment_B" @23
  ShowCompartmentStereotypes TRUE

```



```

IncludeAttribute TRUE
IncludeOperation TRUE
location (1680, 656)
label (object ItemLabel
  Parent_View @23
  location (1550, 630)
  fill_color 13434879
  nlines 1
  max_width 260
  justify 0
  label "Payment_B")
stereotype (object ItemLabel
  Parent_View @23
  location (1550, 585)
  fill_color 13434879
  anchor 10
  nlines 1
  max_width 260
  justify 0
  label "<<interface>>")
icon "interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu "369CD454037E"
width 278
height 164
annotation 8
autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::AdditionalFee" @24
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location (256, 416)
  label (object ItemLabel
    Parent_View @24
    location (114, 390)
    fill_color 13434879
    nlines 1
    max_width 284
    justify 0
    label "AdditionalFee")
  stereotype (object ItemLabel
    Parent_View @24
    location (114, 345)
    fill_color 13434879
    anchor 10
    nlines 1
    max_width 284
    justify 0
    label "<<interface>>")
  icon "interface"
  icon_style "Label"
  line_color 3342489
  fill_color 13434879
  quidu "369CD45F00D1"

```

```

width      302
height     164
annotation 8
autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::PaymentTerm" @25
ShowCompartmentStereotypes TRUE
IncludeAttribute TRUE
IncludeOperation TRUE
location   (192, 1168)
label      (object ItemLabel
  Parent_View @25
  location    (56, 1142)
  fill_color  13434879
  nlines      1
  max_width   272
  justify     0
  label       "PaymentTerm")
stereotype (object ItemLabel
  Parent_View @25
  location    (56, 1097)
  fill_color  13434879
  anchor      10
  nlines      1
  max_width   272
  justify     0
  label       "<<interface>>")
icon        "interface"
icon_style  "Label"
line_color  3342489
fill_color  13434879
quidu       "369CD6C8006A"
width       290
height      164
annotation  8
autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Account" @26
ShowCompartmentStereotypes TRUE
IncludeAttribute TRUE
IncludeOperation TRUE
location   (176, 1424)
label      (object ItemLabel
  Parent_View @26
  location    (55, 1398)
  fill_color  13434879
  nlines      1
  max_width   242
  justify     0
  label       "Account")
stereotype (object ItemLabel
  Parent_View @26
  location    (55, 1353)
  fill_color  13434879
  anchor      10
  nlines      1
  max_width   242

```

```

        justify      0
        label        "<<interface>>")
    icon          "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu        "369D013E0287"
    width         260
    height        164
    annotation    8
    autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Type_B" @27
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (2016, 672)
    label              (object ItemLabel
        Parent_View    @27
        location        (1897, 671)
        fill_color      13434879
        nlines          1
        max_width       238
        justify         0
        label           "Type_B")
    stereotype (object ItemLabel
        Parent_View    @27
        location        (1897, 626)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       238
        justify         0
        label           "<<interface>>")
    icon          "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu        "369D153D006B"
    width         256
    height        114
    annotation    8
    autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Message" @28
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (720, 640)
    label              (object ItemLabel
        Parent_View    @28
        location        (599, 614)
        fill_color      13434879
        nlines          1
        max_width       242
        justify         0
        label           "Message")

```

```

stereotype (object ItemLabel
    Parent_View @28
    location (599, 569)
    fill_color 13434879
    anchor 10
    nlines 1
    max_width 242
    justify 0
    label "<<interface>>")
icon "interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu "369CD46B0101"
width 260
height 164
annotation 8
autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity" @29
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (752, 224)
    font (object Font
        italics TRUE)
    label (object ItemLabel
        Parent_View @29
        location (573, 173)
        fill_color 13434879
        nlines 1
        max_width 358
        justify 0
        label

"ConfigurableEntity")

stereotype (object ItemLabel
    Parent_View @29
    location (573, 128)
    fill_color 13434879
    anchor 10
    nlines 1
    max_width 358
    justify 0
    label "<<interface>>")
icon "interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu "369CE510028E"
width 376
height 216
annotation 8
autoResize TRUE)
(object InheritView "" @30
    stereotype TRUE
    line_color 3342489
    quidu "369D350D00EE"

```

```

client      @28
supplier    @29
line_style  0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Belonging" @31
  ShowCompartmentStereotypes  TRUE
  IncludeAttribute  TRUE
  IncludeOperation  TRUE
  location  (1984, 192)
  font  (object Font
    italics  TRUE)
  label  (object ItemLabel
    Parent_View  @31
    location  (1863, 141)
    fill_color  13434879
    nlines  1
    max_width  242
    justify  0
    label  "Belonging")
  stereotype  (object ItemLabel
    Parent_View  @31
    location  (1863, 96)
    fill_color  13434879
    anchor  10
    nlines  1
    max_width  240
    justify  0
    label  "<<interface>>")
  icon  "interface"
  icon_style  "Label"
  line_color  3342489
  fill_color  13434879
  quidu  "369CB5490100"
  width  260
  height  216
  annotation  8
  autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::StateMachine" @32
  ShowCompartmentStereotypes  TRUE
  IncludeAttribute  TRUE
  IncludeOperation  TRUE
  location  (1280, 656)
  label  (object ItemLabel
    Parent_View  @32
    location  (1103, 513)
    fill_color  13434879
    nlines  1
    max_width  354
    justify  0
    label  "StateMachine")
  stereotype  (object ItemLabel
    Parent_View  @32
    location  (1103, 468)
    fill_color  13434879
    anchor  10
    nlines  1

```

```

        max_width      354
        justify         0
        label           "<<Interface>>")
    icon           "Interface"
    icon_style      "Label"
    line_color      3342489
    fill_color      13434879
    quidu           "369DF7030133"
    compartment      (object Compartment
        Parent_View   @32
        location       (1103, 568)
        icon_style     "Icon"
        fill_color     13434879
        anchor         2
        nlines         6
        max_width      352)
    width           372
    height          398
    annotation      8
    autoResize      TRUE)
(object InheritView "" @33
    stereotype      TRUE
    line_color      3342489
    quidu           "369DF8F603DA"
    client          @23
    supplier        @31
    line_style      0)
(object InheritView "" @34
    stereotype      TRUE
    line_color      3342489
    quidu           "369DF8FB00D4"
    client          @27
    supplier        @31
    line_style      0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Entity" @35
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location          (1184, 112)
    font              (object Font
        italics        TRUE)
    label             (object ItemLabel
        Parent_View    @35
        location        (1063, 61)
        fill_color      13434879
        nlines          1
        max_width       242
        justify         0
        label           "Entity")
    stereotype        (object ItemLabel
        Parent_View    @35
        location        (1063, 16)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       240

```

```

        justify      0
        label        "<<interface>>")
    icon            "interface"
    icon_style      "Label"
    line_color      3342489
    fill_color      13434879
    quidu           "369CB19D0018"
    width           260
    height          216
    annotation      8
    autoResize      TRUE)
(object InheritView "" @36
    stereotype      TRUE
    line_color      3342489
    quidu           "369CE606010B"
    client          @29
    supplier        @35
    line_style      0)
(object InheritView "" @37
    stereotype      TRUE
    line_color      3342489
    quidu           "369DF8FF0075"
    client          @32
    supplier        @35
    line_style      0)))
(object ClassDiagram "AccountMain"
    quid            "369D03AE0162"
    title           "AccountMain"
    zoom            100
    max_height      28350
    max_width       21600
    origin_x        0
    origin_y        0
    items           (list diagram_item_list
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Account" @38
            ShowCompartmentStereotypes      TRUE
            IncludeAttribute      TRUE
            IncludeOperation      TRUE
            location              (416, 560)
            label                 (object ItemLabel
                Parent_View      @38
                location         (295, 534)
                fill_color       13434879
                nlines           1
                max_width        242
                justify           0
                label            "Account")
            stereotype           (object ItemLabel
                Parent_View      @38
                location         (295, 489)
                fill_color       13434879
                anchor           10
                nlines           1
                max_width        242
                justify           0
                label            "<<interface>>")

```

```

        icon          "interface"
        icon_style     "Label"
        line_color     3342489
        fill_color     13434879
        quidu          "369D013E0287"
        width          260
        height         164
        annotation     8
        autoResize     TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Company" @39
    ShowCompartmentStereotypes     TRUE
    IncludeAttribute     TRUE
    IncludeOperation     TRUE
    location             (896, 208)
    label                (object ItemLabel
        Parent_View      @39
        location          (775, 182)
        fill_color       13434879
        nlines           1
        max_width        242
        justify          0
        label            "Company")
    stereotype (object ItemLabel
        Parent_View      @39
        location          (775, 137)
        fill_color       13434879
        anchor           10
        nlines           1
        max_width        242
        justify          0
        label            "<<interface>>")
        icon          "interface"
        icon_style     "Label"
        line_color     3342489
        fill_color     13434879
        quidu          "369CD3B8015D"
        width          260
        height         164
        annotation     8
        autoResize     TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer" @40
    ShowCompartmentStereotypes     TRUE
    IncludeAttribute     TRUE
    IncludeOperation     TRUE
    location             (1424, 576)
    label                (object ItemLabel
        Parent_View      @40
        location          (1190, 550)
        fill_color       13434879
        nlines           1
        max_width        468
        justify          0
        label
"AlphaNumericSequencer")
    stereotype (object ItemLabel

```



```

        Parent_View    @40
        location        (1190, 505)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width        468
        justify          0
        label            "<<interface>>")
    icon                "interface"
    icon_style          "Label"
    line_color          3342489
    fill_color          13434879
    quidu               "369CD44B00A0"
    width               486
    height              164
    annotation          8
    autoResize          TRUE)
(object AssociationViewNew

    location            (1160, 391)
    label                (object SegLabel @42
        Parent_View    @41
        location        (1191, 396)
        font            (object Font
            italics      TRUE)
        anchor          1
        anchor_loc      1
        nlines          1
        max_width        324
        justify          0
        label            "accountGenerator"
        pctDist          1.033333
        height           5
        orientation      1)
    stereotype          TRUE
    line_color          3342489
    quidu               "369D04430076"
    roleview_list        (list RoleViews
        (object RoleView "$UNNAMED$0" @43
            Parent_View    @41
            location        (-264, -185)
            stereotype      TRUE
            line_color      3342489
            quidu           "369D044302E3"
            client          @41
            supplier        @39
            line_style      0)
        (object RoleView "$UNNAMED$1" @44
            Parent_View    @41
            location        (-264, -185)
            stereotype      TRUE
            line_color      3342489
            quidu           "369D044302E4"
            client          @41
            supplier        @40
            line_style      0))))))
(object ClassDiagram "CompanyMain"
"accountGenerator" @41

```

```

quid          "369D3523023A"
title         "CompanyMain"
zoom          100
max_height    28350
max_width     21600
origin_x      0
origin_y      0
items         (list diagram_item_list
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Enterprise" @45
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location (800, 1168)
  label (object ItemLabel
    Parent_View @45
    location (678, 1142)
    fill_color 13434879
    nlines 1
    max_width 244
    justify 0
    label "Enterprise")
  stereotype (object ItemLabel
    Parent_View @45
    location (678, 1097)
    fill_color 13434879
    anchor 10
    nlines 1
    max_width 244
    justify 0
    label "<<interface>>")
  icon "interface"
  icon_style "Label"
  line_color 3342489
  fill_color 13434879
  quidu "369CD3A7009B"
  width 262
  height 164
  annotation 8
  autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Company" @46
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location (800, 816)
  label (object ItemLabel
    Parent_View @46
    location (679, 790)
    fill_color 13434879
    nlines 1
    max_width 242
    justify 0
    label "Company")
  stereotype (object ItemLabel
    Parent_View @46
    location (679, 745)

```

```

        fill_color    13434879
        anchor        10
        nlines        1
        max_width     242
        justify       0
        label         "<<interface>>")
    icon            "interface"
    icon_style      "Label"
    line_color      3342489
    fill_color      13434879
    quidu           "369CD3B8015D"
    width           260
    height          164
    annotation      8
    autoResize      TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity" @47
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (800, 384)
    font                (object Font
        italics        TRUE)
    label               (object ItemLabel
        Parent_View    @47
        location        (621, 332)
        fill_color      13434879
        nlines          1
        max_width       358
        justify         0
        label
"ConfigurableEntity")

    stereotype (object ItemLabel
        Parent_View    @47
        location        (621, 287)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       358
        justify         0
        label           "<<interface>>")
    icon            "interface"
    icon_style      "Label"
    line_color      3342489
    fill_color      13434879
    quidu           "369CE510028E"
    width           376
    height          218
    annotation      8
    autoResize      TRUE)
(object InheritView "" @48
    stereotype      TRUE
    line_color      3342489
    quidu           "369D0688002B"
    client          @45
    supplier        @46
    line_style      0)

```

```

(object InheritView "" @49
  stereotype TRUE
  line_color 3342489
  quidu "369D06400032"
  client @46
  supplier @47
  line_style 0)))
(object ClassDiagram "HistoryMain"
  quid "369D3593029F"
  title "HistoryMain"
  zoom 100
  max_height 28350
  max_width 21600
  origin_x 0
  origin_y 0
  items (list diagram_item_list
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Belonging" @50
      ShowCompartmentStereotypes TRUE
      IncludeAttribute TRUE
      IncludeOperation TRUE
      location (720, 208)
      font (object Font
        italics TRUE)
      label (object ItemLabel
        Parent_View @50
        location (596, 156)
        fill_color 13434879
        nlines 1
        max_width 248
        justify 0
        label "Belonging")
      stereotype (object ItemLabel
        Parent_View @50
        location (596, 111)
        fill_color 13434879
        anchor 10
        nlines 1
        max_width 248
        justify 0
        label "<<interface>>")
      icon "interface"
      icon_style "Label"
      line_color 3342489
      fill_color 13434879
      quidu "369CB5490100"
      width 266
      height 218
      annotation 8
      autoResize TRUE)
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Activity_B" @51
      ShowCompartmentStereotypes TRUE
      IncludeAttribute TRUE
      IncludeOperation TRUE
      location (720, 688)
      label (object ItemLabel

```

```

        Parent_View    @51
        location        (598, 661)
        fill_color      13434879
        nlines          1
        max_width        244
        justify         0
        label           "Activity_B")
    stereotype (object ItemLabel
        Parent_View    @51
        location        (598, 616)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width        244
        justify         0
        label           "<<interface>>")
    icon         "interface"
    icon_style   "Label"
    line_color   3342489
    fill_color   13434879
    quidu        "369CD47C00FB"
    width         262
    height        166
    annotation    8
    autoResize    TRUE)
(object InheritView "" @52
    stereotype    TRUE
    line_color    3342489
    quidu         "369D16EA03D9"
    client        @51
    supplier      @50
    line_style    0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::History_B" @53
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (272, 688)
    label               (object ItemLabel
        Parent_View    @53
        location        (151, 661)
        fill_color      13434879
        nlines          1
        max_width        242
        justify         0
        label           "History_B")
    stereotype (object ItemLabel
        Parent_View    @53
        location        (151, 616)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width        242
        justify         0
        label           "<<interface>>")
    icon         "interface"
    icon_style   "Label"

```

```

line_color 3342489
fill_color 13434879
quidu "369CD48A012D"
width 260
height 166
annotation 8
autoResize TRUE)
(object AssociationViewNew "" @54
  location (495, 688)
  stereotype TRUE
  line_color 3342489
  quidu "369D0F330127"
  roleview_list (list RoleViews
    (object RoleView "" @55
      Parent_View @54
      location (-1073, -256)
      label (object SegLabel @56
        Parent_View @55
        location (569, 647)
        hidden TRUE
        anchor 1
        anchor_loc 1
        nlines 1
        max_width 450
        justify 0
        label ""
        pctDist 0.800000
        height 42
        orientation 0)
      stereotype TRUE
      line_color 3342489
      quidu "369D0F3302F3"
      client @54
      supplier @51
      line_style 0
      label (object SegLabel @57
        Parent_View @55
        location (578, 742)
        anchor 2
        anchor_loc 1
        nlines 1
        max_width 15
        justify 0
        label "0..*"
        pctDist 0.900000
        height 54
        orientation 1))
    (object RoleView "" @58
      Parent_View @54
      location (-1073, -256)
      label (object SegLabel @59
        Parent_View @58
        location (421, 647)
        hidden TRUE
        anchor 1
        anchor_loc 1
        nlines 1

```

```

max_width      450
justify        0
label          ""
pctDist        0.800000
height         42
orientation    1)
stereotype     TRUE
line_color     3342489
quidu          "369D0F3302E9"
client         @54
supplier       @53
line_style     0
label          (object SegLabel @60
    Parent_View @58
    location    (412, 742)
    anchor      2
    anchor_loc  1
    nlines      1
    max_width   15
    justify     0
    label       "1"
    pctDist     0.900000
    height      54
    orientation 0))
(object InheritView "" @61
    stereotype TRUE
    line_color  3342489
    quidu       "369DF90701E9"
    client      @53
    supplier    @50
    line_style  0))
(object ClassDiagram "WorkFlowMain"
    quid        "369DF6C102C9"
    title       "WorkFlowMain"
    zoom        100
    max_height  28350
    max_width   21600
    origin_x    0
    origin_y    0
    items       (list diagram_item_list
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Workflow" @62
            ShowCompartmentStereotypes TRUE
            IncludeAttribute  TRUE
            IncludeOperation  TRUE
            location          (720, 1136)
            label             (object ItemLabel
                Parent_View @62
                location    (599, 1109)
                fill_color   13434879
                nlines       1
                max_width    242
                justify      0
                label        "Workflow")
            stereotype (object ItemLabel
                Parent_View @62
                location    (599, 1064)

```

```

        fill_color      13434879
        anchor          10
        nlines          1
        max_width       242
        justify         0
        label           "<<Interface>>")
    icon              "Interface"
    icon_style        "Label"
    line_color        3342489
    fill_color        13434879
    quidu             "369DF631002D"
    width             260
    height            166
    annotation        8
    autoResize       TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Type_B" @63
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (1712, 496)
    label              (object ItemLabel
        Parent_View    @63
        location        (1591, 470)
        fill_color      13434879
        nlines          1
        max_width       242
        justify         0
        label           "Type_B")
    stereotype (object ItemLabel
        Parent_View    @63
        location        (1591, 425)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       240
        justify         0
        label           "<<interface>>")
    icon              "interface"
    icon_style        "Label"
    line_color        3342489
    fill_color        13434879
    quidu             "369D153D006B"
    width             260
    height            164
    annotation        8
    autoResize       TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Transition_B" @64
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (1424, 1088)
    label              (object ItemLabel
        Parent_View    @64
        location        (1236, 1015)
        fill_color      13434879

```



```

        nlines      1
        max_width   376
        justify     0
        label       "Transition_B")
stereotype (object ItemLabel
  Parent_View @64
  location    (1236, 970)
  fill_color  13434879
  anchor      10
  nlines      1
  max_width   376
  justify     0
  label       "<<interface>>")
icon        "interface"
icon_style   "Label"
line_color   3342489
fill_color   13434879
quidu        "369E0113000B"
compartment (object Compartment
  Parent_View @64
  location    (1236, 1070)
  icon_style   "Icon"
  fill_color   13434879
  anchor       2
  nlines       4
  max_width    372)
width        394
height       258
annotation   8
autoResize   TRUE)
(object UsesView "" @65
  stereotype TRUE
  line_color   3342489
  quidu        "369E019C0379"
  client       @64
  supplier     @63
  line_style   0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::StateMachine" @66
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location     (1040, 528)
  label        (object ItemLabel
    Parent_View @66
    location    (863, 385)
    fill_color  13434879
    nlines      1
    max_width   354
    justify     0
    label       "StateMachine")
  stereotype (object ItemLabel
    Parent_View @66
    location    (863, 340)
    fill_color  13434879
    anchor      10
    nlines      1

```

```

        max_width      354
        justify         0
        label           "<<Interface>>")
    icon           "Interface"
    icon_style      "Label"
    line_color      3342489
    fill_color      13434879
    quidu           "369DF7030133"
    compartment      (object Compartment
        Parent_View   @66
        location       (863, 440)
        icon_style     "Icon"
        fill_color     13434879
        anchor         2
        nlines         6
        max_width      352)
    width           372
    height          398
    annotation      8
    autoResize      TRUE)
(object AssociationViewNew "States" @67
    location        (1412, 317)
    label           (object SegLabel @68
        Parent_View   @67
        location       (1412, 258)
        font           (object Font
            italics     TRUE)
        anchor         1
        anchor_loc     1
        nlines         1
        max_width      120
        justify        0
        label          "States"
        pctDist        0.500000
        height         60
        orientation    0)
    stereotype      TRUE
    line_color      3342489
    quidu           "369E00FA013B"
    roleview_list    (list RoleViews
        (object RoleView "$UNNAMED$5" @69
            Parent_View   @67
            location       (-300, -179)
            stereotype     TRUE
            line_color     3342489
            quidu          "369E00FA02F4"
            client         @67
            supplier       @66
            vertices       (list Points
                (1412, 317)
                (1360, 287)
                (1226, 387))
            line_style     0)
        (object RoleView "$UNNAMED$6" @70
            Parent_View   @67
            location       (-300, -179)
            stereotype     TRUE

```

```

line_color 3342489
quidu      "369E00FA02F5"
client     @67
supplier   @63
line_style 0
label      (object SegLabel @71
            Parent_View @70
            location     (1537, 452)
            anchor       2
            anchor_loc   1
            nlines       1
            max_width    15
            justify      0
            label        "*"
            pctDist      0.900000
            height       54
            orientation   1)))
(object AssociationViewNew "Transitions"

```

@72

```

location    (1256, 842)
label      (object SegLabel @73
            Parent_View @72
            location     (1256, 783)
            font         (object Font
                          italics TRUE)
            anchor       1
            anchor_loc   1
            nlines       1
            max_width    204
            justify      0
            label        "Transitions"
            pctDist      0.500000
            height       60
            orientation   0)
stereotype  TRUE
line_color  3342489
quidu       "369E01A100E1"
roleview_list (list RoleViews
              (object RoleView "$UNNAMED$7" @74
                Parent_View @72
                location     (-168, -246)
                stereotype   TRUE
                line_color   3342489
                quidu        "369E01A102C2"
                client       @72
                supplier     @66
                line_style   0)
              (object RoleView "$UNNAMED$8" @75
                Parent_View @72
                location     (-168, -246)
                stereotype   TRUE
                line_color   3342489
                quidu        "369E01A102CC"
                client       @72
                supplier     @64
                line_style   0
                label        (object SegLabel @76

```

```

                                Parent_View    @75
                                location        (1371, 916)
                                anchor          2
                                anchor_loc      1
                                nlines         1
                                max_width       15
                                justify         0
                                label           ""
                                pctDist         0.900000
                                height          54
                                orientation      0)))
                    (object InheritView "" @77
                        stereotype TRUE
                        line_color 3342489
                        quidu      "369E03F501E3"
                        client     @62
                        supplier    @66
                        line_style 0))))
            (object Class_Category "financial"
                quid      "369CAE47006A"
                documentation "This is the Financial Smart
Component group"
                visible_categories (list
visibility_relationship_list
                    (object Visibility_Relationship
                        quid      "369CB0F90211"
                        supplier   "Logical
View::com::theorycenter::smart::axiom"
                            quidu      "369CAE2E01A5")
                    (object Visibility_Relationship
                        quid      "369CB13D022D"
                        supplier   "Logical
View::com::theorycenter::smart::foundation"
                            quidu      "369CADC800CC"))
                exportControl    "Public"
                logical_models   (list unit_reference_list
                    (object Class "BankAccount"
                        quid      "369CE2950245"
                        documentation
| A Bank account belonging to one or more BankCustomers
|
| BankAccountHome::create(a1, a2 , a3);
| bank.<add>BankAccount()
|
                                stereotype "interface"
                                superclasses (list
inheritance_relationship_list
                    (object Inheritance_Relationship
                        quid      "369D0545032A"
                        supplier   "Logical
View::com::theorycenter::smart::axiom::Account"
                            quidu      "369D013E0287"))
                realized_interfaces (list
realize_rel_list
                    (object Realize_Relationship
                        quid      "369E21F4009A"

```

```

label "uses"
supplier "Logical
View::com::theorycenter::smart::financial::BankBusinessProcess"
quidu "369E0E6801DF"))))
(object Class "BankLoan"
quid "369CE2A60308"
stereotype "Interface")
(object Class "BankCustomer"
quid "369CE2B00063"
documentation "Represents a customer of
the Bank. Question: should we contain a StakeHolder rather that extend it????"
stereotype "Interface")
(object Class "CustomerMessage"
quid "369CE2C401DE"
documentation "A text message sent to a
BankCustomer"
stereotype "Interface")
(object Class "LoanHistory"
quid "369CE2CF01DA"
documentation
|List of LoanActivities pertaining a BankCustomer
|
|Contains an instance of History, which is a collection of ActivityS, but we can
|type-cast them into LoanActivities
|
|LoanHistory.getLoanPaymentActivity() {
|}
|loanHistory uses History

```

```

stereotype "interface"
superclasses (list
inheritance_relationship_list
(object Inheritance_Relationship
quid "369D311F006F"
supplier "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity"
quidu "369CE510028E"))))
(object Class "LoanActivity_B"
quid "369CE2DE03E4"
stereotype "interface"
superclasses (list
inheritance_relationship_list
(object Inheritance_Relationship
quid "369D114102BD"
supplier "Logical
View::com::theorycenter::smart::axiom::Activity_B"
quidu "369CD47C00FB"))))
(object Class "LoanPortfolio"
quid "369CE3020011"
documentation "A collection of active
BankLoans. Question: should we manage the LifeCycle of our BankLoans?"
stereotype "interface"
superclasses (list
inheritance_relationship_list
(object Inheritance_Relationship

```

```

    quid "369D14BA0230"
    supplier "Logical"
View::com::theorycenter::smart::foundation::Belonging"
    quidu "369CB5490100"))
    (object Class "Bank"
      quid "369D04FA016A"
      stereotype "Interface"
      superclasses (list
inheritance_relationship_list
        (object Inheritance_Relationship
          quid "369D051102DF"
          supplier "Logical"
View::com::theorycenter::smart::axiom::Company"
          quidu "369CD3B8015D"))
        operations (list Operations
          (object Operation "createBankCustomer"
            quid "369E1C1C014D"
            documentation "This is an
automatically generated method. It creates a new BankCustomerInstance"
            parameters (list Parameters
              (object Parameter "bankCustomerKey"
BankCustomerKey"))
              result "BankCustomer"
              concurrency "Sequential"
              opExportControl "Public"
              uid 0)
            (object Operation "createBankAccount"
              quid "369E1CB002D6"
              documentation "This is an
automatically generated method. It creates a new BankAccount Instance"
              parameters (list Parameters
                (object Parameter "bankAccountKey"
BankAccountKey"))
                result "BankAccount"
                concurrency "Sequential"
                opExportControl "Public"
                uid 0)))
            (object Class "LoanBusinessProcess"
              quid "369E043303D6"
              documentation
|This object helps you to run the business process for the life cycle of a loan
from the lender's point of view.
|It is owned by the application.
|LoanBusinessProcess will contact BankLoanHome and perform operations on
BankLoans, such as changing its attributes, creating new instances, etc
|LoanBusinessProcess is simply a stateless combinatorial engine, i.e a task
              stereotype "Interface"
              superclasses (list
inheritance_relationship_list
                (object Inheritance_Relationship
                  quid "369E151C0273"
                  supplier "Logical"
View::com::theorycenter::smart::foundation::Task"
                  quidu "369CE4660153"))
                used_nodes (list uses_relationship_list
                  (object Uses Relationship

```

```

        quid      "369E13F900BC"
        label     "uses"
        supplier  "Logical"
View::com::theorycenter::smart::financial::BankCustomer"
        quidu     "369CE2B00063")
(object Uses_Relationship
  quid      "369E261503B1"
  label     "uses"
  supplier  "Logical"
View::com::theorycenter::smart::financial::LoanSequencer"
        quidu     "369E260700C2")
(object Uses_Relationship
  quid      "369E367A02DA"
  label     "uses"
  supplier  "Logical"
View::com::theorycenter::smart::financial::BankLoan"
        quidu     "369CE2A60308"))
operations (list Operations
  (object Operation "approveLoan"
    quid      "369E061B00D5"
    documentation
|Change the status of a Loan to "approved" and do any other business task
associated with that event

```

```

        parameters (list Parameters
          (object Parameter "loan"
            type      "BankLoan"))
        concurrency      "Sequential"
        opExportControl  "Public"
        uid              0)
(object Operation "declineLoan"
  quid      "369E062F0174"
  documentation
|Change the status of a Loan to "declined" and do any other business task
associated with that event

```

```

        parameters (list Parameters
          (object Parameter "loan"
            type      "BankLoan"))
        concurrency      "Sequential"
        opExportControl  "Public"
        uid              0)
(object Operation "closeLoan"
  quid      "369E06340398"
  documentation
|Change the status of a Loan to "closed" and do any other business task
associated with that event

```

```

        parameters (list Parameters
          (object Parameter "loan"
            type      "BankLoan"))
        concurrency      "Sequential"
        opExportControl  "Public"
        uid              0)
(object Operation "terminateLoan"
  quid      "369E0642013F"
  documentation

```

|Change the status of a Loan to "terminated" and do any other business task associated with that event

```
parameters (list Parameters
  (object Parameter "loan"
    type "BankLoan"))
concurrency "Sequential"
opExportControl "Public"
uid 0)
(object Operation "prepayLoan"
  quid "369E06490208"
  documentation
```

|Change the status of a Loan to "prepaid" and do any other business task associated with that event

```
parameters (list Parameters
  (object Parameter "loan"
    type "BankLoan"))
concurrency "Sequential"
opExportControl "Public"
uid 0)
(object Operation "createLoan"
  quid "369E12DC0044"
  documentation "Create a new loan
```

and add it to a BankCustomer's LoanPortfolio. Needs a valid BankCustomer reference. This function will create a new primary key using a LoanSequencer."

```
parameters (list Parameters
  (object Parameter "customer"
    type "BankCustomer"))
result "BankLoan"
concurrency "Sequential"
opExportControl "Public"
uid 0)))
(object Class "MintLoanProcess"
  quid "369E07E801E6")
(object Class "BankBusinessProcess"
  quid "369E0E6801DF"
  documentation
```

|Application logic to manage the business process of the bank, such as adding a customer,etc. To "Add" a customer, use this BankBusinessProcesst rather than going to the bank; this object does more, it implements the Bank's business process

```
stereotype "Interface"
superclasses (list
```

inheritance\_relationship\_list

```
(object Inheritance_Relationship
  quid "369E21320023"
  supplier "Logical
  quidu "369CE4660153"))
used_nodes (list uses_relationship_list
  (object Uses_Relationship
    quid "369E223E014B"
    label "uses"
    supplier "Logical
```

View::com::theorycenter::smart::financial::BankCustomer"



```

        quidu      "369CE2B00063")
    (object Uses_Relationship
      quid      "369E225102B0"
      label     "uses"
      supplier  "Logical"
View::com::theorycenter::smart::financial::BankAccount"
      quidu      "369CE2950245")
    (object Uses_Relationship
      quid      "369E2E7A02CB"
      label     "uses"
      supplier  "Logical"
View::com::theorycenter::smart::financial::Bank"
      quidu      "369D04FA016A"))
    operations (list Operations
      (object Operation "signUpBankCustomer"
        quid      "369E258A01B2"
        documentation "This adds a new
customer to the Bank. Do this before opening a new account"
        result     "BankCustomer"
        concurrency "Sequential"
        opExportControl "Public"
        uid        0)
      (object Operation "openNewBankAccount"
        quid      "369E278F0198"
        parameters (list Parameters
          (object Parameter "BankCustomer"

BankCustomer"))
          result     "BankAccount"
          concurrency "Sequential"
          opExportControl "Public"
          uid        0)
      (object Operation "closeBankAccount"
        quid      "369E2BC1028C"
        parameters (list Parameters
          (object Parameter "BankAccount"

bankAccount"
          type      "return"))
          concurrency "Sequential"
          opExportControl "Public"
          uid        0)
      (object Operation
        quid      "369E2C030364"
        concurrency "Sequential"
        opExportControl "Public"
        uid        0)))
    (object Class "LoanSequencer"
      quid      "369E260700C2"
      stereotype "interface"
      realized_interfaces (list
realize_rel_list
      (object Realize_Relationship
        quid      "369E26830084"
        label     "uses"
        supplier  "Logical"
View::com::theorycenter::smart::axiom::AlphaNumericSequencer"
        quidu      "369CD44B00A0"))

```

```

        operations (list Operations
            (object Operation "getNextLoanId"
                quid          "369E262F0354"
                concurrency    "Sequential"
                opExportControl "Public"
                uid            0)))
    (object Association "$UNNAMED$9"
        quid          "369D05D30392"
        roles          (list role_list
            (object Role "$UNNAMED$10"
                quid      "369D05D402EA"
                supplier   "Logical"

View::com::theorycenter::smart::financial::Bank"
                quidu      "369D04FA016A"
                Containment "By Value"
                is_aggregate TRUE)
            (object Role "$UNNAMED$11"
                quid      "369D05D402EB"
                supplier   "Logical"

View::com::theorycenter::smart::financial::BankAccount"
                quidu      "369CE2950245"
                client_cardinality (value

cardinality "n")
                Containment "By Value"
                is_navigable TRUE)))
    (object Association "$UNNAMED$12"
        quid          "369D05D8006E"
        roles          (list role_list
            (object Role "$UNNAMED$13"
                quid      "369D05D80303"
                supplier   "Logical"

View::com::theorycenter::smart::financial::Bank"
                quidu      "369D04FA016A"
                is_aggregate TRUE)
            (object Role "$UNNAMED$14"
                quid      "369D05D8030D"
                supplier   "Logical"

View::com::theorycenter::smart::financial::BankCustomer"
                quidu      "369CE2B00063"
                client_cardinality (value

cardinality "n")
                Containment "By Value"
                is_navigable TRUE)))
    (object Association "$UNNAMED$15"
        quid          "369D0D29016C"
        roles          (list role_list
            (object Role "$UNNAMED$16"
                quid      "369D0D290325"
                supplier   "Logical"

View::com::theorycenter::smart::financial::BankCustomer"
                quidu      "369CE2B00063"
                is_aggregate TRUE)
            (object Role "$UNNAMED$17"
                quid      "369D0D29032F"
                supplier   "Logical"

View::com::theorycenter::smart::financial::LoanPortfolio"
                quidu      "369CE3020011"

```

```

cardinality "1")
client_cardinality (value
Containment "By Value"
is_navigable TRUE)))
(object Association "$UNNAMED$18"
quid "369D0D4201CC"
roles (list role_list
(object Role "$UNNAMED$19"
quid "369D0D430047"
supplier "Logical
View::com::theorycenter::smart::financial::LoanPortfolio"
quidu "369CE3020011"
is_navigable TRUE
is_aggregate TRUE)
(object Role "$UNNAMED$20"
quid "369D0D430051"
supplier "Logical
View::com::theorycenter::smart::financial::BankLoan"
quidu "369CE2A60308"
client_cardinality (value
cardinality "0..n")
is_navigable TRUE)))
(object Association "$UNNAMED$21"
quid "369D0D8203A5"
roles (list role_list
(object Role "$UNNAMED$22"
quid "369D0D830234"
supplier "Logical
View::com::theorycenter::smart::financial::BankCustomer"
quidu "369CE2B00063"
is_aggregate TRUE)
(object Role "$UNNAMED$23"
quid "369D0D83023E"
supplier "Logical
View::com::theorycenter::smart::financial::CustomerMessage"
quidu "369CE2C401DE"
client_cardinality (value
cardinality "0..n")
Containment "By Value"
is_navigable TRUE)))
(object Association "$UNNAMED$24"
quid "369D0D92023F"
roles (list role_list
(object Role "$UNNAMED$25"
quid "369D0D9300EC"
supplier "Logical
View::com::theorycenter::smart::financial::BankCustomer"
quidu "369CE2B00063"
is_aggregate TRUE)
(object Role "$UNNAMED$26"
quid "369D0D9300ED"
supplier "Logical
View::com::theorycenter::smart::financial::LoanHistory"
quidu "369CE2CF01DA"
client_cardinality (value
cardinality "1")
Containment "By Value"

```

```

        is_navigable      TRUE)))
(object Association "$UNNAMED$27"
  quid      "369D0F330127"
  roles     (list role_list
    (object Role "$UNNAMED$28"
      quid      "369D0F3302E9"
      supplier   "Logical"
      quidu     "369CD48A012D"
      client_cardinality (value
View::com::theorycenter::smart::axiom::History_B"
cardinality "1")
        is_aggregate      TRUE)
(object Role "$UNNAMED$29"
  quid      "369D0F3302F3"
  supplier   "Logical"
  quidu     "369CD47C00FB"
  client_cardinality (value
View::com::theorycenter::smart::axiom::Activity_B"
cardinality "0..n")
        Containment      "By Value"
        is_navigable      TRUE)))
(object Association "$UNNAMED$30"
  quid      "369D1336028C"
  roles     (list role_list
    (object Role "$UNNAMED$31"
      quid      "369D13370099"
      supplier   "Logical"
      quidu     "369CE2CF01DA"
      is_aggregate TRUE)
(object Role "$UNNAMED$32"
  quid      "369D1337009A"
  supplier   "Logical"
View::com::theorycenter::smart::financial::LoanHistory"
cardinality "1")
        Containment      "By Value"
        is_navigable      TRUE)))
(object Association "$UNNAMED$33"
  quid      "369D339C01CA"
  roles     (list role_list
    (object Role "$UNNAMED$34"
      quid      "369D339D00E5"
      supplier   "Logical"
      quidu     "369CE2B00063"
      is_aggregate TRUE)
(object Role "$UNNAMED$35"
  quid      "369D339D00E6"
  supplier   "Logical"
View::com::theorycenter::smart::financial::BankCustomer"
cardinality "1")
        Containment      "By Value"
        is_navigable      TRUE)))

```

```

(object Association "$UNNAMED$36"
  quid      "369D361D021C"
  roles      (list role_list
    (object Role "$UNNAMED$37"
      quid      "369D361E00F1"
      supplier   "Logical"
View::com::theorycenter::smart::financial::BankAccount"
      quidu      "369CE2950245"
      is_navigable TRUE
      is_aggregate TRUE)
    (object Role "$UNNAMED$38"
      quid      "369D361E0105"
      supplier   "Logical"
View::com::theorycenter::smart::financial::BankCustomer"
      quidu      "369CE2B00063"
      is_navigable TRUE)))
(object Association "$UNNAMED$39"
  quid      "369D36360069"
  roles      (list role_list
    (object Role "$UNNAMED$40"
      quid      "369D3637002E"
      supplier   "Logical"
View::com::theorycenter::smart::financial::BankCustomer"
      quidu      "369CE2B00063"
      is_aggregate TRUE)
    (object Role "$UNNAMED$41"
      quid      "369D3637002F"
      supplier   "Logical"
View::com::theorycenter::smart::financial::BankAccount"
      quidu      "369CE2950245"
      client_cardinality (value
cardinality "n")
      is_navigable TRUE)))
(object Association "$UNNAMED$42"
  quid      "369E26900141"
  roles      (list role_list
    (object Role "$UNNAMED$43"
      quid      "369E269002A9"
      supplier   "Logical"
View::com::theorycenter::smart::financial::LoanSequencer"
      quidu      "369E260700C2"
      is_navigable TRUE
      is_aggregate TRUE)
    (object Role "$UNNAMED$44"
      quid      "369E269002AA"
      supplier   "Logical"
View::com::theorycenter::smart::axiom::AlphaNumericSequencer"
      quidu      "369CD44B00A0"
      client_cardinality (value
cardinality "1")
      Containment      "By Value"
      is_navigable TRUE)))
(object Association "$UNNAMED$45"
  quid      "369E27160158"
  roles      (list role_list
    (object Role "$UNNAMED$46"
      quid      "369E271603CF"

```

```

supplier      "Logical
View::com::theorycenter::smart::financial::LoanBusinessProcess"
quidu        "369E043303D6"
Containment   "By Value"
is_navigable  TRUE
is_aggregate  TRUE)
(object Role "$UNNAMED$47"
  quid        "369E271603D0"
  supplier    "Logical
View::com::theorycenter::smart::financial::LoanSequencer"
  quidu        "369E260700C2"
  client_cardinality (value
cardinality "1")

  Containment   "By Value"
  is_navigable  TRUE)))
(object Association "$UNNAMED$48"
  quid          "369E285803BE"
  roles         (list role_list
    (object Role "$UNNAMED$49"
      quid        "369E28590170"
      supplier    "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer"
      quidu        "369CD44B00A0"
      is_navigable  TRUE
      is_aggregate  TRUE)
    (object Role "$UNNAMED$50"
      quid        "369E2859017A"
      supplier    "Logical
View::com::theorycenter::smart::financial::BankBusinessProcess"
      quidu        "369E0E6801DF"
      is_navigable  TRUE))))
logical_presentations (list unit_reference_list
  (object ClassDiagram "Main"
    quid          "369CE280024F"
    title         "Main"
    zoom          100
    max_height    28350
    max_width     21600
    origin_x      0
    origin_y      0
    items         (list diagram_item_list
      (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankLoan" @78
        ShowCompartmentStereotypes  TRUE
        IncludeAttribute  TRUE
        IncludeOperation  TRUE
        location          (1088, 1520)
        label             (object ItemLabel
          Parent_View @78
          location      (967, 1494)
          fill_color     13434879
          nlines         1
          max_width      242
          justify        0
          label          "BankLoan")
        stereotype (object ItemLabel
          Parent_View @78

```

```

        location      (967, 1449)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width     242
        justify       0
        label         "<<Interface>>")
    icon          "Interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu        "369CE2A60308"
    width         260
    height        164
    annotation     8
    autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Account" @79
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location      (800, 272)
    label        (object ItemLabel
        Parent_View    @79
        location      (679, 223)
        fill_color    13434879
        nlines        1
        max_width     242
        justify       0
        label         "Account")
    stereotype    (object ItemLabel
        Parent_View    @79
        location      (679, 178)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width     242
        justify       0
        label         "<<interface>>")
    icon          "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu        "369D013E0287"
    width         260
    height        210
    annotation     8
    autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Belonging" @80
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location      (352, 272)
    font          (object Font
        italics      TRUE)
    label        (object ItemLabel

```

```

        Parent_View    @80
        location        (231, 222)
        fill_color      13434879
        nlines          1
        max_width        242
        justify          0
        label            "Belonging")
    stereotype (object ItemLabel
        Parent_View    @80
        location        (231, 177)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width        242
        justify          0
        label            "<<interface>>")
    icon        "interface"
    icon_style  "Label"
    line_color  3342489
    fill_color  13434879
    quidu       "369CB5490100"
    width        260
    height       214
    annotation   8
    autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Workflow" @81
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location        (1504, 1328)
    label            (object ItemLabel
        Parent_View    @81
        location        (1373, 1279)
        fill_color      13434879
        nlines          1
        max_width        262
        justify          0
        label            "Workflow")
    stereotype (object ItemLabel
        Parent_View    @81
        location        (1373, 1234)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width        259
        justify          0
        label            "<<Interface>>")
    icon        "Interface"
    icon_style  "Label"
    line_color  3342489
    fill_color  13434879
    quidu       "369DF631002D"
    width        280
    height       210
    annotation   8
    autoResize  TRUE)

```



```

(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::MintLoanProcess" @82
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location (1600, 1600)
  label (object ItemLabel
    Parent_View @82
    location (1432, 1554)
    fill_color 13434879
    nlines 1
    max_width 336
    justify 0
    label "MintLoanProcess")
  icon_style "Icon"
  line_color 3342489
  fill_color 13434879
  quidu "369E07E801E6"
  width 354
  height 114
  annotation 8
  autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankAccount" @83
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location (800, 672)
  label (object ItemLabel
    Parent_View @83
    location (666, 646)
    fill_color 13434879
    nlines 1
    max_width 268
    justify 0
    label "BankAccount")
  stereotype (object ItemLabel
    Parent_View @83
    location (666, 601)
    fill_color 13434879
    anchor 10
    nlines 1
    max_width 268
    justify 0
    label "<<interface>>")
  icon "interface"
  icon_style "Label"
  line_color 3342489
  fill_color 13434879
  quidu "369CE2950245"
  width 286
  height 164
  annotation 8
  autoResize TRUE)
(object InheritView "" @84
  stereotype TRUE
  line_color 3342489

```

```

        quidu      "369D0545032A"
        client      @83
        supplier     @79
        line_style   0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanPortfolio" @85
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location      (352, 688)
    label         (object ItemLabel
        Parent_View    @85
        location      (217, 662)
        fill_color    13434879
        nlines        1
        max_width     270
        justify        0
        label         "LoanPortfolio")
    stereotype    (object ItemLabel
        Parent_View    @85
        location      (217, 617)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width     270
        justify        0
        label         "<<interface>>")
    icon          "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu        "369CE3020011"
    width        288
    height        164
    annotation    8
    autoResize    TRUE)
(object InheritView "" @86
    stereotype    TRUE
    line_color    3342489
    quidu        "369D14BA0230"
    client        @85
    supplier      @80
    line_style    0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::CustomerMessage" @87
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location      (1280, 688)
    label         (object ItemLabel
        Parent_View    @87
        location      (1100, 662)
        fill_color    13434879
        nlines        1
        max_width     360
        justify        0
        label         "CustomerMessage")

```

```

        stereotype (object ItemLabel
            Parent_View @87
            location      (1100, 617)
            fill_color    13434879
            anchor        10
            nlines        1
            max_width     360
            justify       0
            label         "<<Interface>>")
        icon          "Interface"
        icon_style    "Label"
        line_color    3342489
        fill_color    13434879
        quidu         "369CE2C401DE"
        width         378
        height        164
        annotation    8
        autoResize    TRUE)))
(object ClassDiagram "BankMain"
    quid          "369D056C0218"
    title         "BankMain"
    zoom          100
    max_height    28350
    max_width     21600
    origin_x      0
    origin_y      0
    items         (list diagram_item_list
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Company" @88
            ShowCompartmentStereotypes    TRUE
            IncludeAttribute    TRUE
            IncludeOperation    TRUE
            location      (624, 144)
            label         (object ItemLabel
                Parent_View @88
                location      (503, 95)
                fill_color    13434879
                nlines        1
                max_width     242
                justify       0
                label         "Company")
            stereotype (object ItemLabel
                Parent_View @88
                location      (503, 50)
                fill_color    13434879
                anchor        10
                nlines        1
                max_width     242
                justify       0
                label         "<<interface>>")
            icon          "interface"
            icon_style    "Label"
            line_color    3342489
            fill_color    13434879
            quidu         "369CD3B8015D"
            width         260
            height        210

```

```

        annotation 8
        autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::Bank" @89
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (624, 560)
    label (object ItemLabel
        Parent_View @89
        location (405, 484)
        fill_color 13434879
        nlines 1
        max_width 438
        justify 0
        label "Bank")
    stereotype (object ItemLabel
        Parent_View @89
        location (405, 439)
        fill_color 13434879
        anchor 10
        nlines 1
        max_width 438
        justify 0
        label "<<Interface>>")
    icon "Interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu "369D04FA016A"
    compartment (object Compartment
        Parent_View @89
        location (405, 539)
        icon_style "Icon"
        fill_color 16777215
        anchor 2
        nlines 3
        max_width 435)
    width 456
    height 264
    annotation 8
    autoResize TRUE)
(object InheritView "" @90
    stereotype TRUE
    line_color 3342489
    quidu "369D051102DF"
    client @89
    supplier @88
    line_style 0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankCustomer" @91
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (192, 1120)
    label (object ItemLabel
        Parent_View @91

```

```

        location      (46, 1094)
        fill_color    13434879
        nlines        1
        max_width      292
        justify        0
        label          "BankCustomer")
    stereotype (object ItemLabel
        Parent_View    @91
        location        (46, 1049)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width        292
        justify          0
        label            "<<Interface>>")
    icon          "Interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu         "369CE2B00063"
    width          310
    height         164
    annotation     8
    autoResize     TRUE)
(object AssociationViewNew "$UNNAMED$12"

```

@92

```

    location      (387, 864)
    stereotype    TRUE
    line_color    3342489
    quidu         "369D05D8006E"
    roleview_list (list RoleViews
        (object RoleView "$UNNAMED$13" @93
            Parent_View    @92
            location        (-1069, 368)
            stereotype      TRUE
            line_color      3342489
            quidu           "369D05D80303"
            client          @92
            supplier        @89
            line_style      0)
        (object RoleView "$UNNAMED$14" @94
            Parent_View    @92
            location        (-1069, 368)
            stereotype      TRUE
            line_color      3342489
            quidu           "369D05D8030D"
            client          @92
            supplier        @91
            line_style      0
            label            (object SegLabel @95
                Parent_View    @94
                location        (311, 1052)
                anchor          2
                anchor_loc      1
                nlines          1
                max_width        15
                justify          0

```

```

label          "*"
pctDist        0.900000
height         54
orientation    0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankAccount" @96
  ShowCompartmentStereotypes  TRUE
  IncludeAttribute  TRUE
  IncludeOperation  TRUE
  location  (1056, 1104)
  label      (object ItemLabel
    Parent_View  @96
    location     (922, 1078)
    fill_color   13434879
    nlines       1
    max_width    268
    justify      0
    label        "BankAccount")
  stereotype  (object ItemLabel
    Parent_View  @96
    location     (922, 1033)
    fill_color   13434879
    anchor       10
    nlines       1
    max_width    268
    justify      0
    label        "<<interface>>")
  icon         "interface"
  icon_style   "Label"
  line_color   3342489
  fill_color   13434879
  quidu        "369CE2950245"
  width        286
  height       164
  annotation   8
  autoResize   TRUE)
(object AssociationViewNew "$UNNAMED$9"
  location     (859, 856)
  stereotype   TRUE
  line_color   3342489
  quidu        "369D05D30392"
  roleview_list (list RoleViews
    (object RoleView "$UNNAMED$10" @98
      Parent_View  @97
      location     (-85, 360)
      stereotype   TRUE
      line_color   3342489
      quidu        "369D05D402EA"
      client       @97
      supplier     @89
      line_style   0)
    (object RoleView "$UNNAMED$11" @99
      Parent_View  @97
      location     (-85, 360)
      stereotype   TRUE
      line_color   3342489

```

@97

```

quidu      "369D05D402EB"
client      @97
supplier    @96
line_style  0
label       (object SegLabel

@100
        Parent_View  @99
        location      (934, 1037)
        anchor        2
        anchor_loc     1
        nlines         1
        max_width      15
        justify        0
        label          "*"
        pctDist        0.900000
        height         54
        orientation    1)))
(object AssociationViewNew "$UNNAMED$36"

@101
        location      (598, 1163)
        stereotype    TRUE
        line_color     3342489
        quidu          "369D361D021C"
        roleview_list  (list RoleViews
        (object RoleView "$UNNAMED$37"

@102
        Parent_View    @101
        location        (326, 59)
        stereotype      TRUE
        line_color      3342489
        quidu           "369D361E00F1"
        client          @101
        supplier        @96
        vertices        (list Points
        (598, 1163)
        (658, 1170)
        (912, 1127))
        line_style      0)
        (object RoleView "$UNNAMED$38"

@103
        Parent_View    @101
        location        (326, 59)
        stereotype      TRUE
        line_color      3342489
        quidu           "369D361E0105"
        client          @101
        supplier        @91
        line_style      0)))
(object AssociationViewNew "$UNNAMED$39"

@104
        location      (581, 993)
        stereotype    TRUE
        line_color     3342489
        quidu          "369D36360069"
        roleview_list  (list RoleViews
        (object RoleView "$UNNAMED$40"

@105

```

@106

```
Parent_View      @104
location         (-427, -239)
stereotype       TRUE
line_color       3342489
quidu            "369D3637002E"
client           @104
supplier         @91
line_style       0
(object RoleView "$UNNAMED$41"
```

@107

```
Parent_View      @104
location         (-427, -239)
stereotype       TRUE
line_color       3342489
quidu            "369D3637002F"
client           @104
supplier         @96
vertices         (list Points
                  (581, 993)
                  (638, 975)
                  (912, 1059))
line_style       0
label            (object SegLabel
```

```
Parent_View      @106
location         (863, 1101)
anchor           2
anchor_loc       1
nlines           1
max_width        15
justify          0
label            "*"
pctDist          0.900000
height           54
orientation      1))))))
```

```
(object ClassDiagram "BankCustomerMain"
  quid            "369D0CDE024A"
  title           "BankCustomerMain"
  zoom            100
  max_height      28350
  max_width       21600
  origin_x        231
  origin_y        340
  items           (list diagram_item_list
```

```
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankLoan" @108
      ShowCompartmentStereotypes  TRUE
      IncludeAttribute             TRUE
      IncludeOperation             TRUE
      location                     (864, 1824)
      label                        (object ItemLabel
        Parent_View      @108
        location         (743, 1798)
        fill_color        13434879
        nlines            1
        max_width         242
        justify            0
```



```

        label          "BankLoan")
    stereotype (object ItemLabel
        Parent_View    @108
        location        (743, 1753)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       242
        justify         0
        label           "<<Interface>>")
    icon        "Interface"
    icon_style  "Label"
    line_color  3342489
    fill_color  13434879
    quidu       "369CE2A60308"
    width       260
    height      164
    annotation  8
    autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Entity" @109
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location          (480, 464)
    font              (object Font
        italics      TRUE)
    label (object ItemLabel
        Parent_View  @109
        location      (359, 414)
        fill_color    13434879
        nlines        1
        max_width     242
        justify       0
        label         "Entity")
    stereotype (object ItemLabel
        Parent_View  @109
        location      (359, 369)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width     242
        justify       0
        label         "<<interface>>")
    icon        "interface"
    icon_style  "Label"
    line_color  3342489
    fill_color  13434879
    quidu       "369CB19D0018"
    width       260
    height      214
    annotation  8
    autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanPortfolio" @110
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE

```

```

IncludeOperation TRUE
location      (864, 1456)
label        (object ItemLabel
  Parent_View @110
  location    (729, 1430)
  fill_color  13434879
  nlines     1
  max_width  270
  justify    0
  label      "LoanPortfolio")
stereotype   (object ItemLabel
  Parent_View @110
  location    (729, 1385)
  fill_color  13434879
  anchor      10
  nlines     1
  max_width  270
  justify    0
  label      "<<interface>>")
icon         "interface"
icon_style   "Label"
line_color   3342489
fill_color   13434879
guidu        "369CE3020011"
width        288
height       164
annotation   8
autoResize   TRUE)
(object AssociationViewNew "$UNNAMED$18"

```

@111

```

location      (864, 1639)
stereotype    TRUE
line_color    3342489
guidu         "369D0D4201CC"
roleview_list (list RoleViews
  (object RoleView "$UNNAMED$19"

```

@112

```

  Parent_View @111
  location    (432, 215)
  stereotype  TRUE
  line_color  3342489
  guidu       "369D0D430047"
  client      @111
  supplier    @110
  line_style  0)
(object RoleView "$UNNAMED$20"

```

@113

```

  Parent_View @111
  location    (432, 215)
  stereotype  TRUE
  line_color  3342489
  guidu       "369D0D430051"
  client      @111
  supplier    @108
  line_style  0
  label      (object SegLabel

```

@114

```

        Parent_View    @113
        location        (918, 1731)
        anchor          2
        anchor_loc      1
        nlines          1
        max_width       15
        justify         0
        label           "0..*"
        pctDist         0.900000
        height          54
        orientation     0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::CustomerMessage" @115
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (1328, 1456)
    label               (object ItemLabel
        Parent_View    @115
        location        (1148, 1430)
        fill_color      13434879
        nlines          1
        max_width       360
        justify         0
        label           "CustomerMessage")
    stereotype         (object ItemLabel
        Parent_View    @115
        location        (1148, 1385)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       360
        justify         0
        label           "<<Interface>>")
    icon               "Interface"
    icon_style         "Label"
    line_color         3342489
    fill_color         13434879
    quidu              "369CE2C401DE"
    width              378
    height             164
    annotation         8
    autoResize         TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanHistory" @116
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (1808, 1456)
    label               (object ItemLabel
        Parent_View    @116
        location        (1687, 1430)
        fill_color      13434879
        nlines          1
        max_width       242
        justify         0
        label           "LoanHistory")

```

```

stereotype (object ItemLabel
    Parent_View @116
    location (1687, 1385)
    fill_color 13434879
    anchor 10
    nlines 1
    max_width 242
    justify 0
    label "<<interface>>")
icon "interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu "369CE2CF01DA"
width 260
height 164
annotation 8
autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankCustomer" @117
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (1344, 640)
    label (object ItemLabel
        Parent_View @117
        location (1198, 614)
        fill_color 13434879
        nlines 1
        max_width 292
        justify 0
        label "BankCustomer")
    stereotype (object ItemLabel
        Parent_View @117
        location (1198, 569)
        fill_color 13434879
        anchor 10
        nlines 1
        max_width 292
        justify 0
        label "<<Interface>>")
    icon "Interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu "369CE2B00063"
    width 310
    height 164
    annotation 8
    autoResize TRUE)
(object AssociationViewNew "$UNNAMED$15"
    location (987, 1011)
    stereotype TRUE
    line_color 3342489
    quidu "369D0D29016C"
    roleview_list (list RoleViews

```

@118

```

@119                                     (object RoleView "$UNNAMED$16"

    Parent_View      @118
    location          (619, -29)
    stereotype        TRUE
    line_color        3342489
    quidu             "369D0D290325"
    client            @118
    supplier          @117
    line_style        0)
@120                                     (object RoleView "$UNNAMED$17"

    Parent_View      @118
    location          (619, -29)
    stereotype        TRUE
    line_color        3342489
    quidu             "369D0D29032F"
    client            @118
    supplier          @110
    vertices          (list Points
        (987, 1011)
        (893, 1110)
        (870, 1373))
    line_style        0
    label             (object SegLabel

@121                                     Parent_View      @120
    location          (927, 1338)
    anchor            2
    anchor_loc        1
    nlines            1
    max_width         15
    justify           0
    label             "1"
    pctDist           0.900000
    height            54
    orientation       0))
@122                                     (object AssociationViewNew "$UNNAMED$21"

    location          (1335, 1047)
    stereotype        TRUE
    line_color        3342489
    quidu             "369D0D8203A5"
    roleview_list     (list RoleViews
        (object RoleView "$UNNAMED$22"

@123                                     Parent_View      @122
    location          (535, -25)
    stereotype        TRUE
    line_color        3342489
    quidu             "369D0D830234"
    client            @122
    supplier          @117
    line_style        0)
@124                                     (object RoleView "$UNNAMED$23"

    Parent_View      @122

```

```

location      (535, -25)
stereotype    TRUE
line_color    3342489
quidu        "369D0D83023E"
client        @122
supplier      @115
line_style    0
label         (object SegLabel

@125
    Parent_View    @124
    location      (1383, 1341)
    anchor        2
    anchor_loc    1
    nlines        1
    max_width     15
    justify        0
    label         "0..*"
    pctDist       0.900000
    height        54
    orientation    0)))
(object AssociationViewNew "$UNNAMED$24"

@126
location      (1714, 1007)
stereotype    TRUE
line_color    3342489
quidu        "369D0D92023F"
roleview_list (list RoleViews
    (object RoleView "$UNNAMED$25"

@127
    Parent_View    @126
    location      (418, -65)
    stereotype    TRUE
    line_color    3342489
    quidu        "369D0D9300EC"
    client        @126
    supplier      @117
    line_style    0)
(object RoleView "$UNNAMED$26"

@128
    Parent_View    @126
    location      (418, -65)
    stereotype    TRUE
    line_color    3342489
    quidu        "369D0D9300ED"
    client        @126
    supplier      @116
    vertices      (list Points
        (1714, 1007)
        (1811, 1103)
        (1808, 1373))
    line_style    0
    label         (object SegLabel

@129
    Parent_View    @128
    location      (1862, 1333)
    anchor        2
    anchor_loc    1

```

```

nlines      1
max_width   15
justify     0
label       "1"
pctDist     0.900000
height      54
orientation 0))))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Stakeholder" @130
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location (784, 784)
  label (object ItemLabel
    Parent_View @130
    location (661, 735)
    fill_color 13434879
    nlines 1
    max_width 246
    justify 0
    label "Stakeholder")
  stereotype (object ItemLabel
    Parent_View @130
    location (661, 690)
    fill_color 13434879
    anchor 10
    nlines 1
    max_width 246
    justify 0
    label "<<interface>>")
  icon "interface"
  icon_style "Label"
  line_color 3342489
  fill_color 13434879
  quidu "369CD35202A1"
  width 264
  height 210
  annotation 8
  autoResize TRUE)
(object InheritView "" @131
  stereotype TRUE
  line_color 3342489
  quidu "369D326502DB"
  client @130
  supplier @109
  line_style 0)
(object AssociationViewNew "$UNNAMED$33"
@132
  location (1052, 714)
  stereotype TRUE
  line_color 3342489
  quidu "369D339C01CA"
  roleview_list (list RoleViews
    (object RoleView "$UNNAMED$34"
@133
      Parent_View @132
      location (716, -294)

```

```

stereotype TRUE
line_color 3342489
quidu "369D339D00E5"
client @132
supplier @117
line_style 0)
(object RoleView "$UNNAMED$35"

@134
Parent_View @132
location (716, -294)
stereotype TRUE
line_color 3342489
quidu "369D339D00E6"
client @132
supplier @130
line_style 0
label (object SegLabel

@135
Parent_View @134
location (944, 797)
anchor 2
anchor_loc 1
nlines 1
max_width 15
justify 0
label "1"
pctDist 0.900000
height 54
orientation 0))))))
(object ClassDiagram "LoanHistoryMain"
quid "369D144D0323"
title "LoanHistoryMain"
zoom 100
max_height 28350
max_width 21600
origin_x 0
origin_y 0
items (list diagram_item_list
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanActivity_B" @136
ShowCompartmentStereotypes TRUE
IncludeAttribute TRUE
IncludeOperation TRUE
location (1296, 1216)
label (object ItemLabel
Parent_View @136
location (1149, 1190)
fill_color 13434879
nlines 1
max_width 294
justify 0
label "LoanActivity_B")
stereotype (object ItemLabel
Parent_View @136
location (1149, 1145)
fill_color 13434879
anchor 10

```



```

        nlines      1
        max_width   294
        justify     0
        label       "<<interface>>")
    icon      "interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu     "369CE2DE03E4"
    width     312
    height    164
    annotation 8
    autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Activity_B" @137
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (1296, 736)
    label (object ItemLabel
        Parent_View @137
        location (1175, 687)
        fill_color 13434879
        nlines 1
        max_width 242
        justify 0
        label "Activity_B")
    stereotype (object ItemLabel
        Parent_View @137
        location (1175, 642)
        fill_color 13434879
        anchor 10
        nlines 1
        max_width 242
        justify 0
        label "<<interface>>")
    icon      "interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu     "369CD47C00FB"
    width     260
    height    210
    annotation 8
    autoResize TRUE)
(object InheritView "" @138
    stereotype TRUE
    line_color 3342489
    quidu     "369D114102BD"
    client    @136
    supplier  @137
    line_style 0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanHistory" @139
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE

```

```

location      (272, 736)
label         (object ItemLabel
    Parent_View @139
    location     (151, 710)
    fill_color   13434879
    nlines       1
    max_width    242
    justify      0
    label        "LoanHistory")
stereotype    (object ItemLabel
    Parent_View @139
    location     (151, 665)
    fill_color   13434879
    anchor       10
    nlines       1
    max_width    242
    justify      0
    label        "<<interface>>")
icon          "interface"
icon_style    "Label"
line_color    3342489
fill_color    13434879
quidu        "369CE2CF01DA"
width         260
height        164
annotation    8
autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::History_B" @140
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location      (832, 736)
    label         (object ItemLabel
        Parent_View @140
        location     (711, 687)
        fill_color   13434879
        nlines       1
        max_width    242
        justify      0
        label        "History_B")
    stereotype    (object ItemLabel
        Parent_View @140
        location     (711, 642)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width    242
        justify      0
        label        "<<interface>>")
    icon          "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu        "369CD48A012D"
    width         260
    height        210

```

```

annotation 8
autoResize TRUE)
(object AssociationViewNew "$UNNAMED$27"

@141
location (1063, 736)
stereotype TRUE
line_color 3342489
quidu "369D0F330127"
roleview_list (list RoleViews
(object RoleView "$UNNAMED$29"

@142
Parent_View @141
location (791, 544)
label (object SegLabel

@143
Parent_View @142
location (1145, 695)
hidden TRUE
anchor 1
anchor_loc 1
nlines 1
max_width 450
justify 0
label ""
pctDist 0.800000
height 42
orientation 0)
stereotype TRUE
line_color 3342489
quidu "369D0F3302F3"
client @141
supplier @137
line_style 0
label (object SegLabel

@144
Parent_View @142
location (1155, 790)
anchor 2
anchor_loc 1
nlines 1
max_width 15
justify 0
label "0..*"
pctDist 0.900000
height 54
orientation 1))
(object RoleView "$UNNAMED$28"

@145
Parent_View @141
location (791, 544)
label (object SegLabel

@146
Parent_View @145
location (983, 695)
hidden TRUE
anchor 1
anchor_loc 1

```

```

nlines      1
max_width   450
justify     0
label       ""
pctDist     0.800000
height      42
orientation 1)
stereotype  TRUE
line_color  3342489
quidu       "369D0F3302E9"
client      @141
supplier    @140
line_style  0
label       (object SegLabel

@147
Parent_View @145
location    (972, 790)
anchor      2
anchor_loc  1
nlines      1
max_width   15
justify     0
label       "1"
pctDist     0.900000
height      54
orientation 0)))))
(object AssociationViewNew "$UNNAMED$30"

@148
location    (551, 736)
stereotype  TRUE
line_color  3342489
quidu       "369D1336028C"
roleview_list (list RoleViews
(object RoleView "$UNNAMED$31"

@149
Parent_View @148
location    (279, 544)
stereotype  TRUE
line_color  3342489
quidu       "369D13370099"
client      @148
supplier    @139
line_style  0)
(object RoleView "$UNNAMED$32"

@150
Parent_View @148
location    (279, 544)
stereotype  TRUE
line_color  3342489
quidu       "369D1337009A"
client      @148
supplier    @140
line_style  0
label       (object SegLabel

@151
Parent_View @150
location    (685, 790)

```

```

        anchor      2
        anchor_loc  1
        nlines      1
        max_width   15
        justify     0
        label       "1"
        pctDist     0.900000
        height      54
        orientation  1))))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity" @152
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (352, 256)
    font (object Font
        italics TRUE)
    label (object ItemLabel
        Parent_View @152
        location (173, 205)
        fill_color 13434879
        nlines 1
        max_width 358
        justify 0
        label
"ConfigurableEntity")
        stereotype (object ItemLabel
            Parent_View @152
            location (173, 160)
            fill_color 13434879
            anchor 10
            nlines 1
            max_width 358
            justify 0
            label "<<interface>>")
        icon "interface"
        icon_style "Label"
        line_color 3342489
        fill_color 13434879
        quidu "369CE510028E"
        width 376
        height 216
        annotation 8
        autoResize TRUE)
(object InheritView "" @153
    stereotype TRUE
    line_color 3342489
    quidu "369D311F006F"
    client @139
    supplier @152
    line_style 0)))
(object ClassDiagram "LoanBusinessProcessMain"
    quid "369E14E2026F"
    title "LoanBusinessProcessMain"
    zoom 100
    max_height 28350
    max_width 21600

```

```

origin_x      0
origin_y      0
items         (list diagram_item_list
              (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankCustomer" @154
              ShowCompartmentStereotypes    TRUE
              IncludeAttribute    TRUE
              IncludeOperation    TRUE
              location             (1408, 640)
              label               (object ItemLabel
                Parent_View        @154
                location           (1261, 614)
                fill_color         13434879
                nlines            1
                max_width         294
                justify            0
                label              "BankCustomer")
              stereotype           (object ItemLabel
                Parent_View        @154
                location           (1261, 569)
                fill_color         13434879
                anchor            10
                nlines            1
                max_width         294
                justify            0
                label              "<<Interface>>")
              icon                 "Interface"
              icon_style          "Label"
              line_color          3342489
              fill_color          13434879
              quidu               "369CE2B00063"
              width               312
              height              164
              annotation          8
              autoResize          TRUE)
              (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Task" @155
              ShowCompartmentStereotypes    TRUE
              IncludeAttribute    TRUE
              IncludeOperation    TRUE
              location             (528, 304)
              font                 (object Font
                italics            TRUE)
              label               (object ItemLabel
                Parent_View        @155
                location           (407, 253)
                fill_color         13434879
                nlines            1
                max_width         242
                justify            0
                label              "Task")
              stereotype           (object ItemLabel
                Parent_View        @155
                location           (407, 208)
                fill_color         13434879
                anchor            10
                nlines            1

```

```

max_width      240
justify        0
label          "<<interface>>")
icon           "interface"
icon_style     "Label"
line_color     3342489
fill_color     13434879
quidu         "369CE4660153"
width         260
height        214
annotation     8
autoResize     TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer" @156
ShowCompartmentStereotypes    TRUE
IncludeAttribute    TRUE
IncludeOperation    TRUE
location           (1536, 1552)
label              (object ItemLabel
    Parent_View    @156
    location       (1302, 1503)
    fill_color     13434879
    nlines         1
    max_width      468
    justify        0
    label
"AlphaNumericSequencer")

stereotype (object ItemLabel
    Parent_View    @156
    location       (1302, 1458)
    fill_color     13434879
    anchor         10
    nlines         1
    max_width      468
    justify        0
    label          "<<interface>>")
icon           "interface"
icon_style     "Label"
line_color     3342489
fill_color     13434879
quidu         "369CD44B00A0"
width         486
height        210
annotation     8
autoResize     TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanSequencer" @157
ShowCompartmentStereotypes    TRUE
IncludeAttribute    TRUE
IncludeOperation    TRUE
location           (592, 1520)
label              (object ItemLabel
    Parent_View    @157
    location       (431, 1454)
    fill_color     13434879
    nlines         1
    max_width      322

```

```

        justify      0
        label        "LoanSequencer")
stereotype (object ItemLabel
  Parent_View @157
  location    (431, 1409)
  fill_color  13434879
  anchor      10
  nlines      1
  max_width   322
  justify     0
  label       "<<interface>>")
icon        "interface"
icon_style  "Label"
line_color  3342489
fill_color  13434879
quidu       "369E260700C2"
compartment (object Compartment
  Parent_View @157
  location    (431, 1509)
  icon_style  "Icon"
  fill_color  13434879
  anchor      2
  nlines      2
  max_width   315)
width       340
height      245
annotation  8
autoResize  TRUE)
(object AssociationViewNew "$UNNAMED$42"

@158
  location    (1027, 1534)
  stereotype  TRUE
  line_color  3342489
  quidu       "369E26900141"
  roleview_list (list RoleViews
    (object RoleView "$UNNAMED$43"

@159
      Parent_View @158
      location    (-861, 846)
      stereotype  TRUE
      line_color  3342489
      quidu       "369E269002A9"
      client      @158
      supplier    @157
      line_style  0)
    (object RoleView "$UNNAMED$44"

@160
      Parent_View @158
      location    (-861, 846)
      stereotype  TRUE
      line_color  3342489
      quidu       "369E269002AA"
      client      @158
      supplier    @156
      line_style  0
      label       (object SegLabel

@161

```



```

        Parent_View    @160
        location        (1263, 1596)
        anchor          2
        anchor_loc      1
        nlines          1
        max_width       15
        justify         0
        label           "1"
        pctDist         0.900000
        height          54
        orientation     1))))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanBusinessProcess" @162
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (528, 848)
    label               (object ItemLabel
        Parent_View    @162
        location        (316, 682)
        fill_color      13434879
        nlines          1
        max_width       424
        justify         0
        label
"LoanBusinessProcess")
        stereotype (object ItemLabel
            Parent_View    @162
            location        (316, 637)
            fill_color      13434879
            anchor          10
            nlines          1
            max_width       424
            justify         0
            label           "<<Interface>>")
        icon            "Interface"
        icon_style       "Label"
        line_color       3342489
        fill_color       13434879
        quidu            "369E043303D6"
        compartment      (object Compartment
            Parent_View    @162
            location        (316, 737)
            icon_style      "Icon"
            fill_color      13434879
            anchor          2
            nlines          7
            max_width       315)
        width            442
        height           444
        annotation       8
        autoResize       TRUE)
(object UsesView "uses" @163
    label               (object ItemLabel
        Parent_View    @163
        location        (990, 648)
        anchor_loc      1

```

```

        nlines      1
        max_width   450
        justify     0
        label       "uses")
    stereotype TRUE
    line_color 3342489
    quidu "369E13F900BC"
    client @162
    supplier @154
    vertices (list Points
              (749, 751)
              (1008, 640)
              (1251, 640))
    line_style 0)
(object InheritView "" @164
    stereotype TRUE
    line_color 3342489
    quidu "369E151C0273"
    client @162
    supplier @155
    line_style 0)
(object AssociationViewNew "$UNNAMED$45"

@165
    location (564, 1233)
    stereotype TRUE
    line_color 3342489
    quidu "369E27160158"
    roleview_list (list RoleViews
                    (object RoleView "$UNNAMED$46"

@166
                        Parent_View @165
                        location (-844, 1)
                        stereotype TRUE
                        line_color 3342489
                        quidu "369E271603CF"
                        client @165
                        supplier @162
                        line_style 0)
                    (object RoleView "$UNNAMED$47"

@167
                        Parent_View @165
                        location (-844, 1)
                        stereotype TRUE
                        line_color 3342489
                        quidu "369E271603D0"
                        client @165
                        supplier @157
                        line_style 0
                        label (object SegLabel

@168
                            Parent_View @167
                            location (525, 1384)
                            anchor 2
                            anchor_loc 1
                            nlines 1
                            max_width 15
                            justify 0

```

```

label "1"
pctDist 0.900000
height 54
orientation 1)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankLoan" @169
ShowCompartmentStereotypes TRUE
IncludeAttribute TRUE
IncludeOperation TRUE
location (1440, 1056)
label (object ItemLabel
Parent_View @169
location (1320, 1030)
fill_color 13434879
nlines 1
max_width 240
justify 0
label "BankLoan")
stereotype (object ItemLabel
Parent_View @169
location (1320, 985)
fill_color 13434879
anchor 10
nlines 1
max_width 237
justify 0
label "<<Interface>>")
icon "Interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu "369CE2A60308"
width 258
height 164
annotation 8
autoResize TRUE)
(object UsesView "uses" @170
label (object ItemLabel
Parent_View @170
location (1030, 962)
anchor_loc 1
nlines 1
max_width 450
justify 0
label "uses")
stereotype TRUE
line_color 3342489
quidu "369E367A02DA"
client @162
supplier @169
line_style 0)))
(object ClassDiagram "BankBusinessProcess"
quid "369E2170005E"
title "BankBusinessProcess"
zoom 100
max_height 28350
max_width 21600

```

```

origin_x      0
origin_y      0
items          (list diagram_item_list
                (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Task" @171
                ShowCompartmentStereotypes      TRUE
                IncludeAttribute      TRUE
                IncludeOperation      TRUE
                location      (1584, 208)
                font          (object Font
                                italics      TRUE)
                label          (object ItemLabel
                                Parent_View   @171
                                location      (1463, 156)
                                fill_color    13434879
                                nlines       1
                                max_width    242
                                justify      0
                                label        "Task")
                stereotype      (object ItemLabel
                                Parent_View   @171
                                location      (1463, 111)
                                fill_color    13434879
                                anchor        10
                                nlines       1
                                max_width    240
                                justify      0
                                label        "<<interface>>")
                icon            "interface"
                icon_style      "Label"
                line_color      3342489
                fill_color      13434879
                quidu            "369CE4660153"
                width            260
                height           216
                annotation       8
                autoResize      TRUE)
                (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankAccount" @172
                ShowCompartmentStereotypes      TRUE
                IncludeAttribute      TRUE
                IncludeOperation      TRUE
                location      (848, 1344)
                label          (object ItemLabel
                                Parent_View   @172
                                location      (714, 1318)
                                fill_color    13434879
                                nlines       1
                                max_width    268
                                justify      0
                                label        "BankAccount")
                stereotype      (object ItemLabel
                                Parent_View   @172
                                location      (714, 1273)
                                fill_color    13434879
                                anchor        10
                                nlines       1

```

```

max_width      268
justify        0
label          "<<interface>>")
icon           "interface"
icon_style     "Label"
line_color     3342489
fill_color     13434879
quidu          "369CE2950245"
width          286
height         164
annotation     8
autoResize     TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::Bank" @173
ShowCompartmentStereotypes    TRUE
IncludeAttribute    TRUE
IncludeOperation    TRUE
location            (528, 624)
label               (object ItemLabel
    Parent_View      @173
    location          (309, 548)
    fill_color        13434879
    nlines            1
    max_width         438
    justify           0
    label             "Bank")
stereotype           (object ItemLabel
    Parent_View      @173
    location          (309, 503)
    fill_color        13434879
    anchor            10
    nlines            1
    max_width         438
    justify           0
    label             "<<Interface>>")
icon                 "Interface"
icon_style           "Label"
line_color           3342489
fill_color           13434879
quidu                "369D04FA016A"
compartment           (object Compartment
    Parent_View      @173
    location          (309, 603)
    icon_style        "Icon"
    fill_color        13434879
    anchor            2
    nlines            3
    max_width         435)
width                456
height               264
annotation           8
autoResize           TRUE)
(object AssociationViewNew "$UNNAMED$9"

location             (698, 1008)
stereotype           TRUE
line_color           3342489

```

@174

```

quidu          "369D05D30392"
roleview_list  (list RoleViews
                (object RoleView "$UNNAMED$11"

@175
                    Parent_View      @174
                    location          (378, 352)
                    label              (object SegLabel

@176
                        Parent_View  @175
                        location      (751, 1228)
                        hidden        TRUE
                        anchor         1
                        anchor_loc     1
                        nlines         1
                        max_width      450
                        justify         0
                        label           ""
                        pctDist         0.800000
                        height          42
                        orientation     1)
                    stereotype TRUE
                    line_color 3342489
                    quidu      "369D05D402EB"
                    client      @174
                    supplier     @172
                    line_style   0
                    label        (object SegLabel

@177
                        Parent_View  @175
                        location      (847, 1214)
                        anchor         2
                        anchor_loc     1
                        nlines         1
                        max_width      15
                        justify         0
                        label           "*"
                        pctDist         0.900000
                        height          54
                        orientation     0))
                    (object RoleView "$UNNAMED$10"

@178
                        Parent_View      @174
                        location          (378, 352)
                        label              (object SegLabel

@179
                            Parent_View  @178
                            location      (572, 824)
                            hidden        TRUE
                            anchor         1
                            anchor_loc     1
                            nlines         1
                            max_width      450
                            justify         0
                            label           ""
                            pctDist         0.800000
                            height          42
                            orientation     0)

```

```

        stereotype TRUE
        line_color 3342489
        quidu      "369D05D402EA"
        client     @174
        supplier   @173
        line_style 0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankCustomer" @180
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (336, 1344)
    label (object ItemLabel
        Parent_View @180
        location (189, 1318)
        fill_color 13434879
        nlines 1
        max_width 294
        justify 0
        label "BankCustomer")
    stereotype (object ItemLabel
        Parent_View @180
        location (189, 1273)
        fill_color 13434879
        anchor 10
        nlines 1
        max_width 294
        justify 0
        label "<<Interface>>")
    icon "Interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu "369CE2B00063"
    width 312
    height 164
    annotation 8
    autoResize TRUE)
(object AssociationViewNew "$UNNAMED$36"
@181
    location (550, 1394)
    stereotype TRUE
    line_color 3342489
    quidu "369D361D021C"
    roleview_list (list RoleViews
        (object RoleView "$UNNAMED$38"
@182
            Parent_View @181
            location (166, 354)
            label (object SegLabel
@183
                Parent_View @182
                location (494, 1424)
                hidden TRUE
                anchor 1
                anchor_loc 1
                nlines 1

```

```

max_width      450
justify        0
label          ""
pctDist        0.800000
height         42
orientation    0)
stereotype     TRUE
line_color     3342489
quidu          "369D361E0105"
client         @181
supplier       @180
line_style     0)
(object RoleView "$UNNAMED$37"

@184
Parent_View    @181
location       (166, 354)
label          (object SegLabel

@185
Parent_View    @184
location       (683, 1432)
hidden        TRUE
anchor         1
anchor_loc     1
nlines         1
max_width      450
justify        0
label          ""
pctDist        0.800000
height         42
orientation    1)
stereotype     TRUE
line_color     3342489
quidu          "369D361E00F1"
client         @181
supplier       @172
vertices       (list Points
                (550, 1394)
                (608, 1408)
                (704, 1382))
line_style     0)))
(object AssociationViewNew "$UNNAMED$39"

@186
location       (551, 1268)
stereotype     TRUE
line_color     3342489
quidu          "369D36360069"
roleview_list  (list RoleViews
                (object RoleView "$UNNAMED$41"

@187
Parent_View    @186
location       (-265, 212)
label          (object SegLabel

@188
Parent_View    @187
location       (658, 1312)
hidden        TRUE
anchor         1

```



```

        anchor_loc      1
        nlines          1
        max_width       450
        justify         0
        label           ""
        pctDist         0.800000
        height          42
        orientation     1)
stereotype    TRUE
line_color    3342489
quidu        "369D3637002F"
client       @186
supplier     @172
vertices     (list Points
              (551, 1268)
              (608, 1248)
              (704, 1286))
line_style    0
label        (object SegLabel

```

@189

```

        Parent_View    @187
        location        (709, 1231)
        anchor          2
        anchor_loc      1
        nlines          1
        max_width       15
        justify         0
        label           "*"
        pctDist         0.900000
        height          54
        orientation     0))
(object RoleView "$UNNAMED$40"

```

@190

```

        Parent_View    @186
        location        (-265, 212)
        label          (object SegLabel

```

@191

```

        Parent_View    @190
        location        (517, 1324)
        hidden         TRUE
        anchor          1
        anchor_loc      1
        nlines          1
        max_width       450
        justify         0
        label           ""
        pctDist         0.800000
        height          42
        orientation     0)
stereotype    TRUE
line_color    3342489
quidu        "369D3637002E"
client       @186
supplier     @180
line_style    0)))
(object AssociationViewNew "$UNNAMED$12"

```

@192

```
location      (348, 954)
stereotype    TRUE
line_color    3342489
quidu         "369D05D8006E"
roleview_list (list RoleViews
  (object RoleView "$UNNAMED$14"
```

@193

```
Parent_View    @192
location        (28, 298)
label           (object SegLabel
```

@194

```
Parent_View    @193
location        (371, 1196)
hidden          TRUE
anchor          1
anchor_loc      1
nlines          1
max_width       450
justify         0
label           ""
pctDist         0.800000
height          42
orientation     0)
stereotype      TRUE
line_color      3342489
quidu           "369D05D8030D"
client          @192
supplier        @180
vertices        (list Points
  (348, 954)
  (320, 1007)
  (332, 1261))
line_style      0
label           (object SegLabel
```

@195

```
Parent_View    @193
location        (277, 1232)
anchor          2
anchor_loc      1
nlines          1
max_width       15
justify         0
label           "*"
pctDist         0.900000
height          54
orientation     1))
(object RoleView "$UNNAMED$13"
```

@196

```
Parent_View    @192
location        (28, 298)
label           (object SegLabel
```

@197

```
Parent_View    @196
location        (471, 816)
hidden          TRUE
anchor          1
anchor_loc      1
```

```

nlines          1
max_width       450
justify         0
label           ""
pctDist         0.800000
height          42
orientation     1)
stereotype      TRUE
line_color      3342489
quidu           "369D05D80303"
client          @192
supplier        @173
line_style      0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankBusinessProcess" @198
ShowCompartmentStereotypes      TRUE
IncludeAttribute      TRUE
IncludeOperation      TRUE
location              (1584, 624)
label                 (object ItemLabel
  Parent_View         @198
  location             (1351, 503)
  fill_color           13434879
  nlines               1
  max_width            466
  justify              0
  label
"BankBusinessProcess")

stereotype (object ItemLabel
  Parent_View         @198
  location             (1351, 458)
  fill_color           13434879
  anchor              10
  nlines               1
  max_width            466
  justify              0
  label                "<<Interface>>")
icon           "Interface"
icon_style      "Label"
line_color      3342489
fill_color      13434879
quidu           "369E0E6801DF"
compartment     (object Compartment
  Parent_View         @198
  location             (1351, 558)
  icon_style           "Icon"
  fill_color           13434879
  anchor               2
  nlines               5
  max_width            462)
width            484
height           354
annotation       8
autoResize       TRUE)
(object InheritView "" @199
  stereotype      TRUE
  line_color       3342489

```

```

quidu      "369E21320023"
client     @198
supplier   @171
line_style 0)
(object UsesView "uses" @200
  label     (object ItemLabel
    Parent_View @200
    location    (1077, 1582)
    anchor_loc  1
    nlines      1
    max_width   450
    justify     0
    label       "uses")
  stereotype TRUE
  line_color   3342489
  quidu        "369E223E014B"
  client       @198
  supplier     @180
  vertices     (list Points
    (1493, 801)
    (1102, 1582)
    (335, 1582)
    (335, 1426))
  line_style 0)
(object UsesView "uses" @201
  label     (object ItemLabel
    Parent_View @201
    location    (1167, 1031)
    anchor_loc  1
    nlines      1
    max_width   450
    justify     0
    label       "uses")
  stereotype TRUE
  line_color   3342489
  quidu        "369E225102B0"
  client       @198
  supplier     @172
  line_style 0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer" @202
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location    (1904, 1184)
  label       (object ItemLabel
    Parent_View @202
    location    (1670, 1135)
    fill_color  13434879
    nlines      1
    max_width   468
    justify     0
    label       "AlphaNumericSequencer")
  stereotype (object ItemLabel
    Parent_View @202
    location    (1670, 1090)

```

```

        fill_color      13434879
        anchor          10
        nlines          1
        max_width       468
        justify         0
        label           "<<interface>>")
    icon          "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu         "369CD44B00A0"
    width         486
    height        210
    annotation    8
    autoResize    TRUE)
(object AssociationViewNew "$UNNAMED$48"

@203
    location      (1764, 939)
    stereotype    TRUE
    line_color    3342489
    quidu         "369E285803BE"
    roleview_list (list RoleViews
        (object RoleView "$UNNAMED$49"

@204
            Parent_View      @203
            location          (180, 315)
            stereotype        TRUE
            line_color        3342489
            quidu             "369E28590170"
            client            @203
            supplier          @202
            line_style        0)
        (object RoleView "$UNNAMED$50"

@205
            Parent_View      @203
            location          (180, 315)
            stereotype        TRUE
            line_color        3342489
            quidu             "369E2859017A"
            client            @203
            supplier          @198
            line_style        0)))
(object UsesView "uses" @206
    label      (object ItemLabel
        Parent_View      @206
        location          (1048, 624)
        anchor_loc        1
        nlines            1
        max_width         450
        justify           0
        label             "uses")
    stereotype    TRUE
    line_color    3342489
    quidu         "369E2E7A02CB"
    client        @198
    supplier      @173
    line_style    0))))

```

```

(object Class_Category "pattern"
  quid "369CADE100C8"
  documentation "These are the design patterns
used in the Business Smart Component family. This package is mainly used for
documentation"

```

```

  exportControl "Public"
  logical_models (list unit_reference_list
    (object Class "TaskImpl"
      quid "369CF63C009B"
      documentation

```

|The dotted arrow means that we code the Task interface, without using "implements" . This is done, because the EJB spec discourages using "implements" in this situation. This allows for a more loosely coupled binding between interface and impl, thus giving the container more freedom on how to do things. Also, Task extends EJBObject, and we cannot both extend EJBObject and implement SessionBean at the same time!.

```

inheritance_relationship_list      superclasses      (list
  (object Inheritance_Relationship
    quid "369CF8AF0241"
    label "implements"
    supplier "Logical
View::javax::ejb::SessionBean"
    quidu "369CF78E02B3"))
  used_nodes (list uses_relationship_list
    (object Uses_Relationship
      quid "369CF6C102AF"
      label "implements"
      supplier "Logical
View::com::theorycenter::smart::foundation::Task"
    quidu "369CE4660153"))))
  logical_presentations (list unit_reference_list
    (object ClassDiagram "Command"
      quid "369CF61000D3"
      title "Command"
      zoom 100
      max_height 28350
      max_width 21600
      origin_x 0
      origin_y 0
      items (list diagram_item_list
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Task" @207
          ShowCompartmentStereotypes TRUE
          IncludeAttribute TRUE
          IncludeOperation TRUE
          location (544, 480)
          font (object Font
            italics TRUE)
          label (object ItemLabel
            Parent_View @207
            location (423, 429)
            fill_color 13434879
            nlines 1
            max_width 242
            justify 0

```

```

        label          "Task")
    stereotype (object ItemLabel
        Parent_View    @207
        location        (423, 384)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       242
        justify         0
        label           "<<interface>>")
    icon        "interface"
    icon_style   "Label"
    line_color   3342489
    fill_color   13434879
    quidu        "369CE4660153"
    width        260
    height       216
    annotation    8
    autoResize   TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::pattern::TaskImpl" @208
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (544, 928)
    label               (object ItemLabel
        Parent_View    @208
        location        (425, 882)
        fill_color      13434879
        nlines          1
        max_width       238
        justify         0
        label           "TaskImpl")
    icon_style   "Icon"
    line_color   3342489
    fill_color   13434879
    quidu        "369CF63C009B"
    width        256
    height       114
    annotation    8
    autoResize   TRUE)
(object ClassView "Class" "Logical
View::javax::ejb::SessionBean" @209
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute    TRUE
    IncludeOperation    TRUE
    location            (1056, 480)
    label               (object ItemLabel
        Parent_View    @209
        location        (923, 431)
        fill_color      13434879
        nlines          1
        max_width       266
        justify         0
        label           "SessionBean")
    stereotype (object ItemLabel
        Parent_View    @209

```

```

        location      (923, 386)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width     266
        justify       0
        label         "<<Interface>>")
    icon      "Interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu      "369CF78E02B3"
    width      284
    height     210
    annotation 8
    autoResize TRUE)
(object InheritView "implements" @210
    label      (object ItemLabel
        Parent_View @210
        location    (951, 800)
        anchor_loc  1
        nlines      1
        max_width   450
        justify     0
        label       "implements")
    stereotype TRUE
    line_color  3342489
    quidu       "369CF8AF0241"
    client      @208
    supplier    @209
    vertices    (list Points
        (672, 887)
        (1055, 768)
        (1055, 585))
    line_style  0)
(object UsesView "implements" @211
    label      (object ItemLabel
        Parent_View @211
        location    (544, 729)
        anchor_loc  1
        nlines      1
        max_width   204
        justify     0
        label       "implements")
    stereotype TRUE
    line_color  3342489
    quidu       "369CF6C102AF"
    client      @208
    supplier    @207
    line_style  0)))
(object ClassDiagram "Abstract Factory"
    quid      "369DF3F80093"
    title     "Abstract Factory"
    documentation "We use the Abstract

```

Factory pattern together with other patterns (like Chain of Responsibility) to create the SmartHome"



```

max_height 28350
max_width 21600
origin_x 0
origin_y 0
items (list diagram_item_list
(object ClassView "Class" "Logical

```

View::javax::ejb::EJBHome" @212

```

ShowCompartmentStereotypes TRUE
IncludeAttribute TRUE
IncludeOperation TRUE
location (896, 400)
font (object Font
    italics TRUE)
label (object ItemLabel
    Parent_View @212
    location (775, 348)
    fill_color 13434879
    nlines 1
    max_width 242
    justify 0
    label "EJBHome")
stereotype (object ItemLabel
    Parent_View @212
    location (775, 303)
    fill_color 13434879
    anchor 10
    nlines 1
    max_width 240
    justify 0
    label "<<interface>>")
icon "interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
guidu "369CF4B202BB"
width 260
height 218
annotation 8
autoResize TRUE)

```

(object ClassView "Class" "Logical

View::com::theorycenter::smart::foundation::SmartHome" @213

```

ShowCompartmentStereotypes TRUE
IncludeAttribute TRUE
IncludeOperation TRUE
location (896, 768)
font (object Font
    italics TRUE)
label (object ItemLabel
    Parent_View @213
    location (768, 716)
    fill_color 13434879
    nlines 1
    max_width 256
    justify 0
    label "SmartHome")
stereotype (object ItemLabel
    Parent_View @213

```

```

        location      (768, 671)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width     256
        justify       0
        label         "<<interface>>")
    icon      "interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu     "369CF4D3018C"
    width     274
    height    218
    annotation 8
    autoResize TRUE)
(object InheritView "" @214
    stereotype TRUE
    line_color 3342489
    quidu     "369CF4E2036E"
    client    @213
    supplier  @212
    line_style 0)))
(object ClassDiagram "LifeCycle"
    quid      "369DF4DE0382"
    title     "LifeCycle"
    zoom      100
    max_height 28350
    max_width 21600
    origin_x  0
    origin_y  0
    items     (list diagram_item_list))
(object ClassDiagram "Strategy"
    quid      "369DF4F9031D"
    title     "Strategy"
    zoom      100
    max_height 28350
    max_width 21600
    origin_x  0
    origin_y  0
    items     (list diagram_item_list))
(object ClassDiagram "ObjectRelationship"
    quid      "369E1D4E0356"
    title     "ObjectRelationship"
    zoom      100
    max_height 28350
    max_width 21600
    origin_x  0
    origin_y  0
    items     (list diagram_item_list
        (object NoteView @215
            location      (816, 672)
            label         (object ItemLabel
                Parent_View @215
                location    (223, 158)
                fill_color  13434879
                nlines     22

```

```
max_width    1150
label
```

| An object X has a collection of objects Y by ownership. (black diamond relationship) [note that Y can be owned by either reference or value].

| We will automatically generate methods for object X to create instances of Y.  
Example:

```
| Class ObjectX .... {
|
| public Y createY(YKey ykey) {
|
|     // go to Yhome
|     // create newY by primary key using ykey
|     // add new object by calling this.addY(newY)
|     // return newY
| }
|
| public Y deleteY(Ykey ykey) {
|
|     // delete from collection first
|     this.deleteY(ykey)
|     //destroy object by calling delete() on its home.
|     // Yhome destroys object
| }
|
| public void addY(Y newY);
|
| // see BankMain diagram
```

```
    )
    line_color  3342489
    fill_color  13434879
    width       1210
    height      1040)
(object NoteView @216
  location      (1232, 1856)
  label         (object ItemLabel
    Parent_View @216
    location     (489, 1412)
    fill_color   13434879
    nlines       19
    max_width    1450
    label
```

| A collection can be of many types, such as set, list, map, etc. For starters, all of our collections will be lists

| For each collection that an object owns, we will automatically generate the following methods:

```
| [assume that we have a collection of "Foo"]
|
| getAllFoo();           // returns the list
```

|<FILL IN!!>

```

        )
        line_color 3342489
        fill_color 13434879
        width      1510
        height     900))))))
(object Class_Category "security"
  quid "369CFAE902B8"
  exportControl "Public"
  logical_models (list unit_reference_list
    (object Class "Login"
      quid "369CFB7D010D"
      documentation "Used to validate a
userid/password combination. Needs to know where to find the user object "
      stereotype "Interface"
      used_nodes (list uses_relationship_list
        (object Uses_Relationship
          quid "369CFFF70074"
          label "Uses"
          supplier "Logical
View::com::theorycenter::smart::security::SystemUser"
          quidu "369CFEA10299"))
        operations (list Operations
          (object Operation "Validate"
            quid "369CFF6F035E"
            result "Boolean"
            concurrency "Sequential"
            opExportControl "Public"
            uid 0)))
        (object Class "SystemUser"
          quid "369CFEA10299"
          stereotype "Interface"
          class_attributes (list class_attribute_list
            (object ClassAttribute "UserId"
              quid "369CFF120364"
              type "String"
              exportControl "Public")
            (object ClassAttribute "Password"
              quid "369CFF3301A9"
              type "String"
              exportControl "Public"))))
        logical_presentations (list unit_reference_list
          (object ClassDiagram "Main"
            quid "369CFB5800B9"
            title "Main"
            zoom 100
            max_height 28350
            max_width 21600
            origin_x 0
            origin_y 0
            items (list diagram_item_list
              (object ClassView "Class" "Logical
View::com::theorycenter::smart::security::Login" @217
              ShowCompartmentStereotypes TRUE
              IncludeAttribute TRUE
              IncludeOperation TRUE
              location (384, 464)
```

```

label      (object ItemLabel
  Parent_View @217
  location    (264, 411)
  fill_color  13434879
  nlines     1
  max_width   240
  justify     0
  label      "Login")
stereotype (object ItemLabel
  Parent_View @217
  location    (264, 366)
  fill_color  13434879
  anchor      10
  nlines     1
  max_width   240
  justify     0
  label      "<<Interface>>")
icon       "Interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu     "369CFB7D010D"
width     258
height    218
annotation 8
autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::security::SystemUser" @218
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location    (1120, 464)
  label      (object ItemLabel
    Parent_View @218
    location    (914, 375)
    fill_color  13434879
    nlines     1
    max_width   412
    justify     0
    label      "SystemUser")
  stereotype (object ItemLabel
    Parent_View @218
    location    (914, 330)
    fill_color  13434879
    anchor      10
    nlines     1
    max_width   412
    justify     0
    label      "<<Interface>>")
  icon       "Interface"
  icon_style "Label"
  line_color 3342489
  fill_color 13434879
  quidu     "369CFEA10299"
  width     430
  height    290
  annotation 8

```

```

        autoResize TRUE)
    (object UsesView "Uses" @219
      label (object ItemLabel
        Parent_View @219
        location (708, 464)
        anchor_loc 1
        nlines 1
        max_width 450
        justify 0
        label "Uses")
      stereotype TRUE
      line_color 3342489
      quidu "369CFFF70074"
      client @217
      supplier @218
      line_style 0))))))
    logical_presentations (list unit_reference_list
      (object ClassDiagram "Main"
        quid "369CB09801AD"
        title "Main"
        documentation "This is a high-level diagram of
the different packages and how they relate to each other"
        zoom 100
        max_height 28350
        max_width 21600
        origin_x 1937
        origin_y 0
        items (list diagram_item_list
          (object CategoryView "Logical
View::com::theorycenter::smart::axiom" @220
            location (704, 752)
            label (object ItemLabel
              Parent_View @220
              location (560, 668)
              fill_color 13434879
              nlines 2
              max_width 288
              justify 0
              label "axiom")
            icon_style "Icon"
            line_color 3342489
            fill_color 13434879
            quidu "369CAE2E01A5"
            width 300
            height 180)
          (object CategoryView "Logical
View::com::theorycenter::smart::financial" @221
            location (1648, 1024)
            label (object ItemLabel
              Parent_View @221
              location (1504, 940)
              fill_color 13434879
              nlines 2
              max_width 288
              justify 0
              label "financial")
            icon_style "Icon"

```

```

        line_color 3342489
        fill_color 13434879
        quidu      "369CAE47006A"
        width      300
        height     180)
(object CategoryView "Logical
View::com::theorycenter::smart::foundation" @222
    location      (1024, 224)
    label          (object ItemLabel
        Parent_View @222
        location     (880, 140)
        fill_color   13434879
        nlines       2
        max_width    288
        justify      0
        label        "foundation")
    icon_style    "Icon"
    line_color     3342489
    fill_color     13434879
    quidu          "369CADC800CC"
    width          300
    height         180)
(object CategoryView "Logical
View::com::theorycenter::smart::pattern" @223
    location      (304, 1328)
    label          (object ItemLabel
        Parent_View @223
        location     (160, 1244)
        fill_color   13434879
        nlines       2
        max_width    288
        justify      0
        label        "pattern")
    icon_style    "Icon"
    line_color     3342489
    fill_color     13434879
    quidu          "369CADE100C8"
    width          300
    height         180)
(object ImportView "" @224
    stereotype    TRUE
    line_color     3342489
    quidu         "369CB0F90211"
    client        @221
    supplier      @220
    vertices      (list Points
        (1497, 1023)
        (703, 1023)
        (703, 842))
    line_style    0)
(object ImportView "" @225
    stereotype    TRUE
    line_color     3342489
    quidu         "369CB13D022D"
    client        @221
    supplier      @222
    vertices      (list Points

```

```

(1648, 879)
(1648, 320)
(1174, 246))
    line_style 0)
(object ImportView "" @226
    stereotype TRUE
    line_color 3342489
    guidu "369CB0E5030D"
    client @220
    supplier @222
    vertices (list Points
        (703, 607)
        (703, 335)
        (873, 275))
        line_style 0))))
(object Class_Category "loanCenter"
    quid "369E2C920355"
    documentation "This is the Self-Service Loan Center
Demo application. It shows how to quickly build a business application using
Theory's Business Smart Components"
    exportControl "Public"
    logical_models (list unit_reference_list
        (object Class "LoanCenterApp"
            quid "369E2CE4006E"
            used_nodes (list uses_relationship_list
                (object Uses_Relationship
                    quid "369E30160241"
                    label "uses"
                    supplier "Logical
View::com::theorycenter::smart::financial::BankCustomer"
                    quidu "369CE2B00063"))))
            (object Association "TheoryBusinessProcess"
                quid "369E2E07009F"
                roles (list role_list
                    (object Role "$UNNAMED$51"
                        quid "369E2E070289"
                        supplier "Logical
View::com::theorycenter::loanCenter::LoanCenterApp"
                        quidu "369E2CE4006E"
                        is_navigable TRUE
                        is_aggregate TRUE)
                    (object Role "$UNNAMED$52"
                        quid "369E2E07028A"
                        supplier "Logical
View::com::theorycenter::smart::financial::BankBusinessProcess"
                        quidu "369E0E6801DF"
                        is_navigable TRUE))))
            (object Association "TheoryBank"
                quid "369E2E0A00AD"
                roles (list role_list
                    (object Role "$UNNAMED$53"
                        quid "369E2E0A0229"
                        supplier "Logical
View::com::theorycenter::loanCenter::LoanCenterApp"
                        quidu "369E2CE4006E"
                        is_navigable TRUE
                        is_aggregate TRUE)

```



```

        (object Role "$UNNAMED$54"
          quid      "369E2E0A0233"
          supplier  "Logical"
View::com::theorycenter::smart::financial::Bank"
          quidu     "369D04FA016A"
          is_navigable TRUE)))
      (object Association "TheoryWorkflow"
        quid      "369E2E0C01BE"
        roles     (list role_list
          (object Role "$UNNAMED$55"
            quid      "369E2E0C03D1"
            supplier  "Logical"
View::com::theorycenter::loanCenter::LoanCenterApp"
            quidu     "369E2CE4006E"
            is_navigable TRUE
            is_aggregate TRUE)
          (object Role "$UNNAMED$56"
            quid      "369E2E0C03D2"
            supplier  "Logical"
View::com::theorycenter::smart::axiom::Workflow"
            quidu     "369DF631002D"
            is_navigable TRUE)))
      (object Association "TheoryLoanProcess"
        quid      "369E2E0E02D9"
        roles     (list role_list
          (object Role "$UNNAMED$57"
            quid      "369E2E0F0104"
            supplier  "Logical"
View::com::theorycenter::loanCenter::LoanCenterApp"
            quidu     "369E2CE4006E"
            is_navigable TRUE
            is_aggregate TRUE)
          (object Role "$UNNAMED$58"
            quid      "369E2E0F0105"
            supplier  "Logical"
View::com::theorycenter::smart::financial::LoanBusinessProcess"
            quidu     "369E043303D6"
            is_navigable TRUE))))
      logical_presentations (list unit_reference_list
        (object ClassDiagram "loanCenterMain"
          quid      "369E2CD6010E"
          title     "loanCenterMain"
          zoom      100
          max_height 28350
          max_width  21600
          origin_x   0
          origin_y   0
          items      (list diagram_item_list
            (object ClassView "Class" "Logical"
View::com::theorycenter::smart::axiom::Workflow" @227
              ShowCompartmentStereotypes TRUE
              IncludeAttribute TRUE
              IncludeOperation TRUE
              location (2480, 288)
              label    (object ItemLabel
                Parent_View @227
                location    (2360, 239)

```

```

        fill_color      13434879
        nlines          1
        max_width       240
        justify         0
        label           "Workflow")
    stereotype (object ItemLabel
        Parent_View     @227
        location         (2360, 194)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       237
        justify         0
        label           "<<Interface>>")
    icon         "Interface"
    icon_style   "Label"
    line_color   3342489
    fill_color   13434879
    quidu        "369DF631002D"
    width        258
    height       210
    annotation   8
    autoResize   TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanBusinessProcess" @228
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (2576, 1024)
    label (object ItemLabel
        Parent_View     @228
        location         (2364, 835)
        fill_color      13434879
        nlines          1
        max_width       424
        justify         0
        label           "LoanBusinessProcess")
    stereotype (object ItemLabel
        Parent_View     @228
        location         (2364, 790)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       424
        justify         0
        label           "<<Interface>>")
    icon         "Interface"
    icon_style   "Label"
    line_color   3342489
    fill_color   13434879
    quidu        "369E043303D6"
    compartment (object Compartment
        Parent_View     @228
        location         (2364, 937)
        icon_style       "Icon"
        fill_color      13434879
        anchor          2

```

```

        nlines          7
        max_width       315)
width          442
height         490
annotation     8
autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankBusinessProcess" @229
ShowCompartmentStereotypes    TRUE
IncludeAttribute    TRUE
IncludeOperation    TRUE
location            (304, 1072)
label               (object ItemLabel
    Parent_View      @229
    location          (72, 928)
    fill_color        13434879
    nlines            1
    max_width         464
    justify           0
    label             "BankBusinessProcess")
stereotype          (object ItemLabel
    Parent_View      @229
    location          (72, 883)
    fill_color        13434879
    anchor            10
    nlines            1
    max_width         464
    justify           0
    label             "<<Interface>>")
icon                "Interface"
icon_style          "Label"
line_color          3342489
fill_color          13434879
quidu              "369E0E6801DF"
compartment          (object Compartment
    Parent_View      @229
    location          (72, 1030)
    icon_style        "Icon"
    fill_color        13434879
    anchor            2
    nlines            5
    max_width         462)
width              482
height             400
annotation         8
autoResize        TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::loanCenter::LoanCenterApp" @230
ShowCompartmentStereotypes    TRUE
IncludeAttribute    TRUE
IncludeOperation    TRUE
location            (1328, 272)
label               (object ItemLabel
    Parent_View      @230
    location          (1167, 198)
    fill_color        13434879
    nlines            1

```

@231

```
max_width      322
justify        0
label          "LoanCenterApp")
icon_style     "Icon"
line_color     3342489
fill_color     13434879
quidu          "369E2CE4006E"
width          340
height         170
annotation     8
autoResize     TRUE)
(object AssociationViewNew "TheoryWorkflow"
```

```
location       (1924, 280)
label          (object SegLabel @232
  Parent_View  @231
  location     (1924, 221)
  font         (object Font
    italics    TRUE)
  anchor       1
  anchor_loc   1
  nlines       1
  max_width    288
  justify      0
  label        "TheoryWorkflow"
  pctDist      0.500000
  height       60
  orientation  0)
```

```
stereotype     TRUE
line_color     3342489
quidu          "369E2E0C01BE"
roleview_list  (list RoleViews
  (object RoleView "$UNNAMED$55" @233
    Parent_View  @231
    location     (388, -616)
    stereotype   TRUE
    line_color   3342489
    quidu        "369E2E0C03D1"
    client       @231
    supplier     @230
    line_style   0)
  (object RoleView "$UNNAMED$56" @234
    Parent_View  @231
    location     (388, -616)
    stereotype   TRUE
    line_color   3342489
    quidu        "369E2E0C03D2"
    client       @231
    supplier     @227
    line_style   0)))
```

```
(object AssociationViewNew "TheoryLoanProcess"
```

@235

```
location       (1945, 569)
label          (object SegLabel @236
  Parent_View  @235
  location     (2041, 510)
  font         (object Font
```

```

        italics      TRUE)
    anchor          1
    anchor_loc      1
    nlines          1
    max_width       360
    justify         0
    label           "TheoryLoanProcess"
    pctDist         2.116667
    height          60
    orientation     0)
stereotype TRUE
line_color 3342489
quidu      "369E2E0E02D9"
roleview_list (list RoleViews
    (object RoleView "$UNNAMED$57" @237
        Parent_View @235
        location (-55, -407)
        stereotype TRUE
        line_color 3342489
        quidu      "369E2E0F0104"
        client     @235
        supplier    @230
        vertices (list Points
            (1945, 569)
            (1822, 480)
            (1498, 343))
        line_style 0)
    (object RoleView "$UNNAMED$58" @238
        Parent_View @235
        location (-55, -407)
        stereotype TRUE
        line_color 3342489
        quidu      "369E2E0F0105"
        client     @235
        supplier    @228
        line_style 0)))
(object AssociationViewNew
    location (881, 620)
    label (object SegLabel @240
        Parent_View @239
        location (813, 686)
        font (object Font
            italics TRUE)
        anchor 1
        anchor_loc 1
        nlines 1
        max_width 444
        justify 0
        label "TheoryBusinessProcess"
        pctDist -0.650000
        height 66
        orientation 1)
    stereotype TRUE
    line_color 3342489
    quidu      "369E2E07009F"
    roleview_list (list RoleViews

```

```

(object RoleView "$UNNAMED$52" @241
  Parent_View      @239
  location         (-79, 380)
  label            (object SegLabel @242
    Parent_View    @241
    location        (587, 798)
    hidden          TRUE
    anchor          1
    anchor_loc      1
    nlines          1
    max_width       450
    justify         0
    label           ""
    pctDist         0.800000
    height          42
    orientation     1)
  stereotype      TRUE
  line_color       3342489
  quidu            "369E2E07028A"
  client           @239
  supplier         @229
  line_style       0)
(object RoleView "$UNNAMED$51" @243
  Parent_View      @239
  location         (-79, 380)
  label            (object SegLabel @244
    Parent_View    @243
    location        (1125, 378)
    hidden          TRUE
    anchor          1
    anchor_loc      1
    nlines          1
    max_width       450
    justify         0
    label           ""
    pctDist         0.800000
    height          42
    orientation     0)
  stereotype      TRUE
  line_color       3342489
  quidu            "369E2E070289"
  client           @239
  supplier         @230
  line_style       0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::Bank" @245
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location         (1072, 1104)
  label            (object ItemLabel
    Parent_View    @245
    location        (853, 1005)
    fill_color      13434879
    nlines          1
    max_width       438
    justify         0

```

```

        label          "Bank")
stereotype (object ItemLabel
    Parent_View @245
    location    (853, 960)
    fill_color  13434879
    anchor      10
    nlines      1
    max_width   438
    justify     0
    label       "<<Interface>>")
icon        "Interface"
icon_style  "Label"
line_color  3342489
fill_color  13434879
quidu       "369D04FA016A"
compartment (object Compartment
    Parent_View @245
    location    (853, 1107)
    icon_style  "Icon"
    fill_color  13434879
    anchor      2
    nlines      3
    max_width   435)
width       456
height      310
annotation  8
autoResize  TRUE)
(object AssociationViewNew "TheoryBank" @246
    location    (1210, 652)
    label       (object SegLabel @247
        Parent_View @246
        location    (1210, 593)
        font        (object Font
            italics  TRUE)
        anchor      1
        anchor_loc  1
        nlines      1
        max_width   216
        justify     0
        label       "TheoryBank"
        pctDist     0.500000
        height      60
        orientation 0)
    stereotype TRUE
    line_color  3342489
    quidu       "369E2E0A00AD"
    roleview_list (list RoleViews
        (object RoleView "$UNNAMED$54" @248
            Parent_View @246
            location    (250, 412)
            label       (object SegLabel @249
                Parent_View @248
                location    (1099, 877)
                hidden      TRUE
                anchor      1
                anchor_loc  1
                nlines      1

```

```

max_width      450
justify        0
label          ""
pctDist        0.800000
height         42
orientation    1)
stereotype     TRUE
line_color     3342489
quidu          "369E2E0A0233"
client         @246
supplier       @245
line_style     0)
(object RoleView "$UNNAMED$53" @250
  Parent_View   @246
  location      (250, 412)
  label         (object SegLabel @251
    Parent_View @250
    location     (1244, 405)
    hidden       TRUE
    anchor       1
    anchor_loc   1
    nlines       1
    max_width    450
    justify      0
    label        ""
    pctDist      0.800000
    height       42
    orientation  0)
    stereotype   TRUE
    line_color   3342489
    quidu        "369E2E0A0229"
    client       @246
    supplier     @230
    line_style   0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankCustomer" @252
  ShowCompartmentStereotypes TRUE
  IncludeAttribute  TRUE
  IncludeOperation  TRUE
  location          (1648, 1744)
  label             (object ItemLabel
    Parent_View     @252
    location         (1502, 1695)
    fill_color       13434879
    nlines           1
    max_width        292
    justify           0
    label            "BankCustomer")
  stereotype        (object ItemLabel
    Parent_View     @252
    location         (1502, 1650)
    fill_color       13434879
    anchor           10
    nlines           1
    max_width        292
    justify           0
    label            "<<Interface>>")

```



```

icon          "Interface"
icon_style    "Label"
line_color    3342489
fill_color    13434879
quidu         "369CE2B00063"
width         310
height        210
annotation    8
autoResize    TRUE)
(object AssociationViewNew "$UNNAMED$12" @253
  location     (1381, 1448)
  stereotype    TRUE
  line_color    3342489
  quidu         "369D05D8006E"
  roleview_list (list RoleViews
    (object RoleView "$UNNAMED$14" @254
      Parent_View @253
      location     (101, 72)
      label        (object SegLabel @255
        Parent_View @254
        location     (1549, 1573)
        hidden       TRUE
        anchor        1
        anchor_loc    1
        nlines        1
        max_width     450
        justify        0
        label         ""
        pctDist        0.800000
        height         42
        orientation    0)
      stereotype    TRUE
      line_color    3342489
      quidu         "369D05D8030D"
      client        @253
      supplier       @252
      line_style     0
      label        (object SegLabel @256
        Parent_View @254
        location     (1496, 1655)
        anchor        2
        anchor_loc    1
        nlines        1
        max_width     15
        justify        0
        label         "*"
        pctDist        0.900000
        height         54
        orientation    1))
    (object RoleView "$UNNAMED$13" @257
      Parent_View @253
      location     (101, 72)
      label        (object SegLabel @258
        Parent_View @257
        location     (1277, 1271)
        hidden       TRUE
        anchor        1

```

```

        anchor_loc      1
        nlines          1
        max_width       450
        justify         0
        label           ""
        pctDist         0.800000
        height          42
        orientation     1)
    stereotype TRUE
    line_color 3342489
    quidu      "369D05D80303"
    client     @253
    supplier   @245
    line_style 0)))
(object UsesView "uses" @259
  label      (object ItemLabel
    Parent_View @259
    location    (1608, 977)
    anchor_loc  1
    nlines      1
    max_width   450
    justify     0
    label       "uses")
  stereotype TRUE
  line_color 3342489
  quidu      "369E30160241"
  client     @230
  supplier   @252
  vertices   (list Points
    (1361, 357)
    (1632, 1037)
    (1645, 1638))
  line_style 0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::CustomerMessage" @260
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location    (1648, 2128)
  label      (object ItemLabel
    Parent_View @260
    location    (1468, 2079)
    fill_color  13434879
    nlines      1
    max_width   360
    justify     0
    label       "CustomerMessage")
  stereotype (object ItemLabel
    Parent_View @260
    location    (1468, 2034)
    fill_color  13434879
    anchor      10
    nlines      1
    max_width   360
    justify     0
    label       "<<Interface>>")
  icon        "Interface"

```

```

icon_style    "Label"
line_color    3342489
fill_color    13434879
quidu        "369CE2C401DE"
width         378
height        210
annotation    8
autoResize    TRUE)
(object AssociationViewNew "$UNNAMED$21" @261
  location     (1648, 1935)
  stereotype    TRUE
  line_color    3342489
  quidu        "369D0D8203A5"
  roleview_list (list RoleViews
    (object RoleView "$UNNAMED$23" @262
      Parent_View @261
      location     (16, -65)
      label        (object SegLabel @263
        Parent_View @262
        location     (1607, 2004)
        hidden       TRUE
        anchor        1
        anchor_loc    1
        nlines        1
        max_width     450
        justify        0
        label          ""
        pctDist        0.800000
        height         42
        orientation    1)
      stereotype    TRUE
      line_color    3342489
      quidu        "369D0D83023E"
      client        @261
      supplier      @260
      line_style     0
      label        (object SegLabel @264
        Parent_View @262
        location     (1702, 2013)
        anchor        2
        anchor_loc    1
        nlines        1
        max_width     15
        justify        0
        label          "0..*"
        pctDist        0.900000
        height         54
        orientation    0))
    (object RoleView "$UNNAMED$22" @265
      Parent_View @261
      location     (16, -65)
      label        (object SegLabel @266
        Parent_View @265
        location     (1607, 1866)
        hidden       TRUE
        anchor        1
        anchor_loc    1

```

```

        nlines          1
        max_width       450
        justify         0
        label           ""
        pctDist         0.800000
        height          42
        orientation     0)
    stereotype TRUE
    line_color 3342489
    quidu      "369D0D830234"
    client     @261
    supplier   @252
    line_style 0))
(object UsesView "uses" @267
  label      (object ItemLabel
    Parent_View @267
    location    (694, 1088)
    anchor_loc  1
    nlines      1
    max_width   84
    justify     0
    label       "uses")
  stereotype TRUE
  line_color 3342489
  quidu      "369E2E7A02CB"
  client     @229
  supplier   @245
  line_style 0)
(object UsesView "uses" @268
  label      (object ItemLabel
    Parent_View @268
    location    (668, 1756)
    anchor_loc  1
    nlines      1
    max_width   84
    justify     0
    label       "uses")
  stereotype TRUE
  line_color 3342489
  quidu      "369E223E014B"
  client     @229
  supplier   @252
  vertices   (list Points
    (312, 1272)
    (335, 1760)
    (1492, 1745))
  line_style 0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankLoan" @269
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location    (2512, 2096)
  label      (object ItemLabel
    Parent_View @269
    location    (2392, 2047)
    fill_color  13434879

```

```

        nlines          1
        max_width       240
        justify         0
        label           "BankLoan")
    stereotype (object ItemLabel
        Parent_View     @269
        location         (2392, 2002)
        fill_color       13434879
        anchor           10
        nlines           1
        max_width        237
        justify          0
        label            "<<Interface>>")
    icon         "Interface"
    icon_style   "Label"
    line_color   3342489
    fill_color   13434879
    quidu        "369CE2A60308"
    width         258
    height        210
    annotation    8
    autoResize    TRUE)
(object UsesView "uses" @270
    label (object ItemLabel
        Parent_View     @270
        location         (2215, 1600)
        anchor_loc       1
        nlines           1
        max_width        84
        justify          0
        label            "uses")
    stereotype    TRUE
    line_color     3342489
    quidu          "369E13F900BC"
    client         @228
    supplier       @252
    vertices        (list Points
        (2448, 1269)
        (2287, 1582)
        (1803, 1703))
    line_style     0)
(object UsesView "uses" @271
    label (object ItemLabel
        Parent_View     @271
        location         (2540, 1629)
        anchor_loc       1
        nlines           1
        max_width        84
        justify          0
        label            "uses")
    stereotype    TRUE
    line_color     3342489
    quidu          "369E367A02DA"
    client         @228
    supplier       @269
    line_style     0))))))
logical_presentations (list unit_reference_list)))

```

```

    logical_presentations (list unit_reference_list))
(object Class_Category "javax"
  quid "369CF48201D5"
  exportControl "Public"
  logical_models (list unit_reference_list
    (object Class_Category "ejb"
      quid "369CF4AA006A"
      exportControl "Public"
      logical_models (list unit_reference_list
        (object Class "EJBHome"
          quid "369CF4B202BB"
          stereotype "interface"
          abstract TRUE)
        (object Class "EJBObject"
          quid "369CF53B034E"
          stereotype "interface"
          abstract TRUE)
        (object Class "EntityBean"
          quid "369CF76101AA"
          stereotype "Interface")
        (object Class "SessionBean"
          quid "369CF78E02B3"
          stereotype "Interface")))
      logical_presentations (list unit_reference_list)))
    logical_presentations (list unit_reference_list)))
logical_presentations (list unit_reference_list
  (object ClassDiagram "Main"
    quid "369CABCB011A"
    title "Main"
    zoom 100
    max_height 28350
    max_width 21600
    origin_x 0
    origin_y 0
    items (list diagram_item_list))))
root_subsystem (object SubSystem "Component View"
  quid "369CABC800A8"
  physical_models (list unit_reference_list)
  physical_presentations (list unit_reference_list
    (object Module_Diagram "Main"
      quid "369CABCB00FC"
      title "Main"
      zoom 100
      max_height 28350
      max_width 21600
      origin_x 0
      origin_y 0
      items (list diagram_item_list))))
process_structure (object Processes
  quid "369CABC800A9"
  ProcsNDevs (list
    (object Process_Diagram "Deployment View"
      quid "369CABC800B2"
      title "Deployment View"
      zoom 100
      max_height 28350
      max_width 21600

```

```

origin_x      0
origin_y      0
items         (list diagram_item_list)))
properties    (object Properties
attributes    (list Attribute_Set
(object Attribute
  tool        "DDL"
  name        "propertyId"
  value       "809135966")
(object Attribute
  tool        "DDL"
  name        "default__Project"
  value       (list Attribute_Set
    (object Attribute
      tool      "DDL"
      name      "DataBase"
      value     ("DataBaseSet" 800))
    (object Attribute
      tool      "DDL"
      name      "DataBaseSet"
      value     (list Attribute_Set
        (object Attribute
          tool      "DDL"
          name      "ANSI"
          value     800)
        (object Attribute
          tool      "DDL"
          name      "Oracle"
          value     801)
        (object Attribute
          tool      "DDL"
          name      "SQLServer"
          value     802)
        (object Attribute
          tool      "DDL"
          name      "Sybase"
          value     803)
        (object Attribute
          tool      "DDL"
          name      "Watcom"
          value     804)))
    (object Attribute
      tool      "DDL"
      name      "PrimaryKeyColumnName"
      value     "Id")
    (object Attribute
      tool      "DDL"
      name      "PrimaryKeyColumnType"
      value     "NUMBER(5) ")
    (object Attribute
      tool      "DDL"
      name      "ViewName"
      value     "V_")
    (object Attribute
      tool      "DDL"
      name      "TableName"
      value     "T_"))

```

```

(object Attribute
  tool      "DDL"
  name      "InheritSuffix"
  value     "_V")
(object Attribute
  tool      "DDL"
  name      "DropClause"
  value     FALSE)
(object Attribute
  tool      "DDL"
  name      "BaseViews"
  value     FALSE)
(object Attribute
  tool      "DDL"
  name      "DDLScriptFilename"
  value     "DDL1.SQL"))
(object Attribute
  tool      "DDL"
  name      "default__Attribute"
  value     (list Attribute_Set
    (object Attribute
      tool      "DDL"
      name      "ColumnType"
      value     "VARCHAR")
    (object Attribute
      tool      "DDL"
      name      "Length"
      value     "")
    (object Attribute
      tool      "DDL"
      name      "NullsOK"
      value     TRUE)
    (object Attribute
      tool      "DDL"
      name      "PrimaryKey"
      value     FALSE)
    (object Attribute
      tool      "DDL"
      name      "Unique"
      value     FALSE)
    (object Attribute
      tool      "DDL"
      name      "CompositeUnique"
      value     FALSE)
    (object Attribute
      tool      "DDL"
      name      "CheckConstraint"
      value     "")))
(object Attribute
  tool      "DDL"
  name      "HiddenTool"
  value     FALSE)
(object Attribute
  tool      "framework"
  name      "HiddenTool"
  value     FALSE)
(object Attribute

```



```

tool      "IDL"
name      "propertyId"
value     "809135966")
(object Attribute
  tool      "IDL"
  name      "default__Project"
  value     (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "CreateMissingDirectories"
      value     TRUE)
    (object Attribute
      tool      "IDL"
      name      "StopOnError"
      value     TRUE)
    (object Attribute
      tool      "IDL"
      name      "Directory"
      value     "AUTO GENERATE")
    (object Attribute
      tool      "IDL"
      name      "GeneratePreserveRegions"
      value     TRUE)))
(object Attribute
  tool      "IDL"
  name      "default__Class"
  value     (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "ImplementationType"
      value     "")
    (object Attribute
      tool      "IDL"
      name      "ConstValue"
      value     "")
    (object Attribute
      tool      "IDL"
      name      "GenerateDefaultSpecifier"
      value     FALSE)
    (object Attribute
      tool      "IDL"
      name      "DefaultSpecifier"
      value     "")
    (object Attribute
      tool      "IDL"
      name      "IDLElement"
      value     TRUE)
    (object Attribute
      tool      "IDL"
      name      "IDLSpecificationType"
      value     ("IDLSpecSet" 22))
    (object Attribute
      tool      "IDL"
      name      "IDLSpecSet"
      value     (list Attribute_Set
        (object Attribute
          tool      "IDL"

```

```

        name      "Interface"
        value      22)
    (object Attribute
        tool      "IDL"
        name      "Typedef"
        value      54)
    (object Attribute
        tool      "IDL"
        name      "Enumeration"
        value      8)
    (object Attribute
        tool      "IDL"
        name      "Const"
        value      71)
    (object Attribute
        tool      "IDL"
        name      "Exception"
        value      61)
    (object Attribute
        tool      "IDL"
        name      "Struct"
        value      51)
    (object Attribute
        tool      "IDL"
        name      "Union"
        value      81)))))
(object Attribute
    tool      "IDL"
    name      "default__Module-Spec"
    value      (list Attribute_Set
        (object Attribute
            tool      "IDL"
            name      "Generate"
            value      TRUE)
        (object Attribute
            tool      "IDL"
            name      "CmIdentification"
            value      (value Text " %X% %Q% %Z% %W%"))
        (object Attribute
            tool      "IDL"
            name      "CopyrightNotice"
            value      (value Text ""))
        (object Attribute
            tool      "IDL"
            name      "FileName"
            value      "AUTO GENERATE")
        (object Attribute
            tool      "IDL"
            name      "GenerateIDLModule"
            value      FALSE)
        (object Attribute
            tool      "IDL"
            name      "InclusionProtectionSymbol"
            value      "AUTO GENERATE")
        (object Attribute
            tool      "IDL"
            name      "AdditionalIncludes"

```

```

        value      (value Text "")
    (object Attribute
        tool      "IDL"
        name      "IncludeBySimpleName"
        value      FALSE))
(object Attribute
    tool      "IDL"
    name      "default__Module-Body"
    value      (list Attribute_Set
        (object Attribute
            tool      "IDL"
            name      "CmIdentification"
            value      (value Text " %X% %Q% %Z% %W%"))
        (object Attribute
            tool      "IDL"
            name      "CopyrightNotice"
            value      (value Text ""))
        (object Attribute
            tool      "IDL"
            name      "FileName"
            value      "AUTO GENERATE")
        (object Attribute
            tool      "IDL"
            name      "AdditionalIncludes"
            value      (value Text ""))
        (object Attribute
            tool      "IDL"
            name      "IncludeBySimpleName"
            value      FALSE)))
(object Attribute
    tool      "IDL"
    name      "default__Operation"
    value      (list Attribute_Set
        (object Attribute
            tool      "IDL"
            name      "OperationIsOneWay"
            value      FALSE)
        (object Attribute
            tool      "IDL"
            name      "Context"
            value      "")
        (object Attribute
            tool      "IDL"
            name      "Raises"
            value      "")))
(object Attribute
    tool      "IDL"
    name      "default__Attribute"
    value      (list Attribute_Set
        (object Attribute
            tool      "IDL"
            name      "CaseSpecifier"
            value      "")
        (object Attribute
            tool      "IDL"
            name      "GenerateDataMember"
            value      TRUE)
    ))

```

```

(object Attribute
  tool      "IDL"
  name      "DataMemberName"
  value     "$relationship")
(object Attribute
  tool      "IDL"
  name      "IsReadOnly"
  value     FALSE)
(object Attribute
  tool      "IDL"
  name      "IsConst"
  value     FALSE)
(object Attribute
  tool      "IDL"
  name      "ConstValue"
  value     ""))
(object Attribute
  tool      "IDL"
  name      "default__Has"
  value     (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "NameIfUnlabeled"
      value     "the_$supplier")
    (object Attribute
      tool      "IDL"
      name      "GenerateDataMember"
      value     TRUE)
    (object Attribute
      tool      "IDL"
      name      "DataMemberName"
      value     "$relationship")
    (object Attribute
      tool      "IDL"
      name      "GenerateForwardReference"
      value     FALSE)
    (object Attribute
      tool      "IDL"
      name      "IsReadOnly"
      value     FALSE)
    (object Attribute
      tool      "IDL"
      name      "BoundedHasRelType"
      value     ("HasRelTypeSet" 47))
    (object Attribute
      tool      "IDL"
      name      "HasRelTypeSet"
      value     (list Attribute_Set
        (object Attribute
          tool      "IDL"
          name      "Array"
          value     24)
        (object Attribute
          tool      "IDL"
          name      "Sequence"
          value     47))))))
(object Attribute

```

```

tool      "IDL"
name      "default__Role"
value     (list Attribute_Set
  (object Attribute
    tool      "IDL"
    name      "NameIfUnlabeled"
    value     "the_$supplier")
  (object Attribute
    tool      "IDL"
    name      "GenerateDataMember"
    value     TRUE)
  (object Attribute
    tool      "IDL"
    name      "DataMemberName"
    value     "$relationship")
  (object Attribute
    tool      "IDL"
    name      "GenerateForwardReference"
    value     FALSE)
  (object Attribute
    tool      "IDL"
    name      "IsReadOnly"
    value     FALSE)
  (object Attribute
    tool      "IDL"
    name      "BoundedRoleType"
    value     ("AssocTypeSet" 47))
  (object Attribute
    tool      "IDL"
    name      "AssocTypeSet"
    value     (list Attribute_Set
      (object Attribute
        tool      "IDL"
        name      "Array"
        value     24)
      (object Attribute
        tool      "IDL"
        name      "Sequence"
        value     47))))))
(object Attribute
  tool      "IDL"
  name      "default__Uses"
  value     (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "GenerateForwardReference"
      value     FALSE)))
(object Attribute
  tool      "IDL"
  name      "default__Subsystem"
  value     (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "Directory"
      value     "AUTO GENERATE")))
(object Attribute
  tool      "IDL"

```

```

    name      "HiddenTool"
    value      FALSE)
(object Attribute
  tool      "Java"
  name      "propertyId"
  value      "809135966")
(object Attribute
  tool      "Java"
  name      "default__Project"
  value      (list Attribute_Set
    (object Attribute
      tool      "Java"
      name      "CreateMissingDirectories"
      value      TRUE)
    (object Attribute
      tool      "Java"
      name      "StopOnError"
      value      FALSE)
    (object Attribute
      tool      "Java"
      name      "Directory"
      value      "AUTO GENERATE")
    (object Attribute
      tool      "Java"
      name      "UsePrefixes"
      value      FALSE)
    (object Attribute
      tool      "Java"
      name      "InstanceVariablePrefix"
      value      "m_")
    (object Attribute
      tool      "Java"
      name      "ClassVariablePrefix"
      value      "s_")
    (object Attribute
      tool      "Java"
      name      "DefaultAttributeDataType"
      value      "int")
    (object Attribute
      tool      "Java"
      name      "DefaultOperationReturnType"
      value      "void")))
(object Attribute
  tool      "Java"
  name      "default__Class"
  value      (list Attribute_Set
    (object Attribute
      tool      "Java"
      name      "Final"
      value      FALSE)
    (object Attribute
      tool      "Java"
      name      "GenerateDefaultConstructor"
      value      TRUE)
    (object Attribute
      tool      "Java"
      name      "ConstructorIs"

```

```

        value      ("Ctor_Set" 62))
(object Attribute
  tool      "Java"
  name      "Ctor_Set"
  value      (list Attribute_Set
    (object Attribute
      tool      "Java"
      name      "Public"
      value      62)
    (object Attribute
      tool      "Java"
      name      "Protected"
      value      63)
    (object Attribute
      tool      "Java"
      name      "Private"
      value      64)))
(object Attribute
  tool      "Java"
  name      "GenerateFinalizer"
  value      FALSE)
(object Attribute
  tool      "Java"
  name      "GenerateStaticInitializer"
  value      FALSE)
(object Attribute
  tool      "Java"
  name      "GenerateInstanceInitializer"
  value      FALSE)))
(object Attribute
  tool      "Java"
  name      "default__Module-Spec"
  value      (list Attribute_Set
    (object Attribute
      tool      "Java"
      name      "Generate"
      value      TRUE)
    (object Attribute
      tool      "Java"
      name      "CmIdentification"
      value      (value Text ""))
    (object Attribute
      tool      "Java"
      name      "CopyrightNotice"
      value      (value Text ""))
    (object Attribute
      tool      "Java"
      name      "AdditionalImports"
      value      (value Text ""))))
(object Attribute
  tool      "Java"
  name      "default__Module-Body"
  value      (list Attribute_Set
    (object Attribute
      tool      "Java"
      name      "Generate"
      value      TRUE)

```

```

        (object Attribute
          tool      "Java"
          name      "CmIdentification"
          value      (value Text ""))
        (object Attribute
          tool      "Java"
          name      "CopyrightNotice"
          value      (value Text ""))
        (object Attribute
          tool      "Java"
          name      "AdditionalImports"
          value      (value Text "")))
  (object Attribute
    tool      "Java"
    name      "default__Operation"
    value      (list Attribute_Set
      (object Attribute
        tool      "Java"
        name      "Abstract"
        value      FALSE)
      (object Attribute
        tool      "Java"
        name      "Static"
        value      FALSE)
      (object Attribute
        tool      "Java"
        name      "Final"
        value      FALSE)
      (object Attribute
        tool      "Java"
        name      "Native"
        value      FALSE)
      (object Attribute
        tool      "Java"
        name      "Synchronized"
        value      FALSE)))
  (object Attribute
    tool      "Java"
    name      "default__Attribute"
    value      (list Attribute_Set
      (object Attribute
        tool      "Java"
        name      "GenerateDataMember"
        value      TRUE)
      (object Attribute
        tool      "Java"
        name      "Final"
        value      FALSE)
      (object Attribute
        tool      "Java"
        name      "Transient"
        value      FALSE)
      (object Attribute
        tool      "Java"
        name      "Volatile"
        value      FALSE)))
  (object Attribute

```



```

tool      "Java"
name      "default__Role"
value     (list Attribute_Set
  (object Attribute
    tool      "Java"
    name      "GenerateDataMember"
    value     TRUE)
  (object Attribute
    tool      "Java"
    name      "ContainerClass"
    value     "")
  (object Attribute
    tool      "Java"
    name      "InitialValue"
    value     "")
  (object Attribute
    tool      "Java"
    name      "Final"
    value     FALSE)
  (object Attribute
    tool      "Java"
    name      "Transient"
    value     FALSE)
  (object Attribute
    tool      "Java"
    name      "Volatile"
    value     FALSE)))
(object Attribute
  tool      "Java"
  name      "HiddenTool"
  value     FALSE)
(object Attribute
  tool      "Oracle8"
  name      "propertyId"
  value     "3600000002")
(object Attribute
  tool      "Oracle8"
  name      "default__Project"
  value     (list Attribute_Set
    (object Attribute
      tool      "Oracle8"
      name      "DDLScriptFilename"
      value     "DDL1.SQL")
    (object Attribute
      tool      "Oracle8"
      name      "DropClause"
      value     FALSE)
    (object Attribute
      tool      "Oracle8"
      name      "PrimaryKeyColumnName"
      value     "_ID")
    (object Attribute
      tool      "Oracle8"
      name      "PrimaryKeyColumnType"
      value     "NUMBER (5,0) ")
    (object Attribute
      tool      "Oracle8"

```

```

        name      "SchemaNamePrefix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "SchemaNameSuffix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "TableNamePrefix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "TableNameSuffix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "TypeNamePrefix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "TypeNameSuffix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "ViewNamePrefix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "ViewNameSuffix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "VarrayNamePrefix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "VarrayNameSuffix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "NestedTableNamePrefix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "NestedTableNameSuffix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "ObjectTableNamePrefix"
        value      "")
    (object Attribute
        tool      "Oracle8"
        name      "ObjectTableNameSuffix"
        value      "")))
(object Attribute
    tool      "Oracle8"
    name      "default__Module-Spec"

```

```

value      (list Attribute_Set
            (object Attribute
              tool      "Oracle8"
              name      "IsSchema"
              value     FALSE)))
(object Attribute
  tool      "Oracle8"
  name      "default__Class"
  value     (list Attribute_Set
            (object Attribute
              tool      "Oracle8"
              name      "OID"
              value     ""))
            (object Attribute
              tool      "Oracle8"
              name      "WhereClause"
              value     ""))
            (object Attribute
              tool      "Oracle8"
              name      "CheckConstraint"
              value     ""))
            (object Attribute
              tool      "Oracle8"
              name      "CollectionTypeLength"
              value     ""))
            (object Attribute
              tool      "Oracle8"
              name      "CollectionTypePrecision"
              value     ""))
            (object Attribute
              tool      "Oracle8"
              name      "CollectionTypeScale"
              value     ""))
            (object Attribute
              tool      "Oracle8"
              name      "CollectionOfREFS"
              value     FALSE)))
(object Attribute
  tool      "Oracle8"
  name      "default__Operation"
  value     (list Attribute_Set
            (object Attribute
              tool      "Oracle8"
              name      "MethodKind"
              value     ("MethodKindSet" 1903))
            (object Attribute
              tool      "Oracle8"
              name      "OverloadID"
              value     ""))
            (object Attribute
              tool      "Oracle8"
              name      "OrderNumber"
              value     ""))
            (object Attribute
              tool      "Oracle8"
              name      "IsReadNoDataState"
              value     FALSE))

```

```

(object Attribute
  tool      "Oracle8"
  name      "IsReadNoProcessState"
  value     FALSE)
(object Attribute
  tool      "Oracle8"
  name      "IsWriteNoDataState"
  value     FALSE)
(object Attribute
  tool      "Oracle8"
  name      "IsWriteNoProcessState"
  value     FALSE)
(object Attribute
  tool      "Oracle8"
  name      "IsSelfish"
  value     FALSE)
(object Attribute
  tool      "Oracle8"
  name      "TriggerType"
  value     ("TriggerTypeSet" 1801))
(object Attribute
  tool      "Oracle8"
  name      "TriggerEvent"
  value     ("TriggerEventSet" 1601))
(object Attribute
  tool      "Oracle8"
  name      "TriggerText"
  value     "")
(object Attribute
  tool      "Oracle8"
  name      "TriggerReferencingNames"
  value     "")
(object Attribute
  tool      "Oracle8"
  name      "TriggerForEach"
  value     ("TriggerForEachSet" 1701))
(object Attribute
  tool      "Oracle8"
  name      "TriggerWhenClause"
  value     "")
(object Attribute
  tool      "Oracle8"
  name      "MethodKindSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "Oracle8"
      name      "MapMethod"
      value     1901)
    (object Attribute
      tool      "Oracle8"
      name      "OrderMethod"
      value     1902)
    (object Attribute
      tool      "Oracle8"
      name      "Function"
      value     1903)
    (object Attribute

```

```

        tool      "Oracle8"
        name      "Procedure"
        value     1904)
(object Attribute
  tool      "Oracle8"
  name      "Operator"
  value     1905)
(object Attribute
  tool      "Oracle8"
  name      "Constructor"
  value     1906)
(object Attribute
  tool      "Oracle8"
  name      "Destructor"
  value     1907)
(object Attribute
  tool      "Oracle8"
  name      "Trigger"
  value     1908)
(object Attribute
  tool      "Oracle8"
  name      "Calculated"
  value     1909)))
(object Attribute
  tool      "Oracle8"
  name      "TriggerTypeSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "Oracle8"
      name      "AFTER"
      value     1801)
    (object Attribute
      tool      "Oracle8"
      name      "BEFORE"
      value     1802)
    (object Attribute
      tool      "Oracle8"
      name      "INSTEAD OF"
      value     1803)))
(object Attribute
  tool      "Oracle8"
  name      "TriggerForEachSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "Oracle8"
      name      "ROW"
      value     1701)
    (object Attribute
      tool      "Oracle8"
      name      "STATEMENT"
      value     1702)))
(object Attribute
  tool      "Oracle8"
  name      "TriggerEventSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "Oracle8"

```

```

        name      "INSERT"
        value      1601)
    (object Attribute
        tool      "Oracle8"
        name      "UPDATE"
        value      1602)
    (object Attribute
        tool      "Oracle8"
        name      "DELETE"
        value      1603)
    (object Attribute
        tool      "Oracle8"
        name      "INSERT OR UPDATE"
        value      1604)
    (object Attribute
        tool      "Oracle8"
        name      "INSERT OR DELETE"
        value      1605)
    (object Attribute
        tool      "Oracle8"
        name      "UPDATE OR DELETE"
        value      1606)
    (object Attribute
        tool      "Oracle8"
        name      "INSERT OR UPDATE OR DELETE"
        value      1607)))))
(object Attribute
    tool      "Oracle8"
    name      "default__Role"
    value      (list Attribute_Set
        (object Attribute
            tool      "Oracle8"
            name      "OrderNumber"
            value      "")))
(object Attribute
    tool      "Oracle8"
    name      "default__Attribute"
    value      (list Attribute_Set
        (object Attribute
            tool      "Oracle8"
            name      "OrderNumber"
            value      "")
        (object Attribute
            tool      "Oracle8"
            name      "IsUnique"
            value      FALSE)
        (object Attribute
            tool      "Oracle8"
            name      "NullsAllowed"
            value      TRUE)
        (object Attribute
            tool      "Oracle8"
            name      "Length"
            value      "")
        (object Attribute
            tool      "Oracle8"
            name      "Precision"

```

```

        value          "2")
(object Attribute
  tool          "Oracle8"
  name          "Scale"
  value          "6")
(object Attribute
  tool          "Oracle8"
  name          "IsIndex"
  value          FALSE)
(object Attribute
  tool          "Oracle8"
  name          "IsPrimaryKey"
  value          FALSE)
(object Attribute
  tool          "Oracle8"
  name          "CompositeUnique"
  value          FALSE)
(object Attribute
  tool          "Oracle8"
  name          "CheckConstraint"
  value          ""))
(object Attribute
  tool          "Oracle8"
  name          "HiddenTool"
  value          FALSE)
(object Attribute
  tool          "Repository"
  name          "HiddenTool"
  value          FALSE)
(object Attribute
  tool          "cg"
  name          "propertyId"
  value          "809135966")
(object Attribute
  tool          "cg"
  name          "default__Project"
  value          (list Attribute_Set
    (object Attribute
      tool          "cg"
      name          "UseMSVC"
      value          FALSE)
    (object Attribute
      tool          "cg"
      name          "HeaderFileExtension"
      value          "h")
    (object Attribute
      tool          "cg"
      name          "HeaderFileBackupExtension"
      value          "h~")
    (object Attribute
      tool          "cg"
      name          "HeaderFileTemporaryExtension"
      value          "h#")
    (object Attribute
      tool          "cg"
      name          "CodeFileExtension"
      value          "cpp")
  )

```

```

(object Attribute
  tool      "cg"
  name      "CodeFileBackupExtension"
  value     "cp~")
(object Attribute
  tool      "cg"
  name      "CodeFileTemporaryExtension"
  value     "cp#")
(object Attribute
  tool      "cg"
  name      "CreateMissingDirectories"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "StopOnError"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "ErrorLimit"
  value     30)
(object Attribute
  tool      "cg"
  name      "Directory"
  value     "$ROSECPP_SOURCE")
(object Attribute
  tool      "cg"
  name      "PathSeparator"
  value     "")
(object Attribute
  tool      "cg"
  name      "FileNameFormat"
  value     "128vx_b")
(object Attribute
  tool      "cg"
  name      "BooleanType"
  value     "int")
(object Attribute
  tool      "cg"
  name      "AllowTemplates"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "AllowProtectedInheritance"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "CommentWidth"
  value     60)
(object Attribute
  tool      "cg"
  name      "OneByValueContainer"
  value     "$targetClass")
(object Attribute
  tool      "cg"
  name      "OneByReferenceContainer"
  value     "$targetClass *")
(object Attribute

```



```

    tool      "cg"
    name      "OptionalByValueContainer"
    value     "OptionalByValue<$targetClass>")
(object Attribute
  tool      "cg"
  name      "OptionalByReferenceContainer"
  value     "$targetClass *")
(object Attribute
  tool      "cg"
  name      "FixedByValueContainer"
  value     "$targetClass[$limit] ")
(object Attribute
  tool      "cg"
  name      "UnorderedFixedByValueContainer"
  value     "$targetClass[$limit] ")
(object Attribute
  tool      "cg"
  name      "FixedByReferenceContainer"
  value     "$targetClass *[$limit] ")
(object Attribute
  tool      "cg"
  name      "UnorderedFixedByReferenceContainer"
  value     "$targetClass *[$limit] ")
(object Attribute
  tool      "cg"
  name      "BoundedByValueContainer"
  value     "BoundedListByValue<$targetClass,$limit>")
(object Attribute
  tool      "cg"
  name      "UnorderedBoundedByValueContainer"
  value     "BoundedSetByValue<$targetClass,$limit>")
(object Attribute
  tool      "cg"
  name      "BoundedByReferenceContainer"
  value     "BoundedListByReference<$targetClass,$limit>")
(object Attribute
  tool      "cg"
  name      "UnorderedBoundedByReferenceContainer"
  value     "BoundedSetByReference<$targetClass,$limit>")
(object Attribute
  tool      "cg"
  name      "UnboundedByValueContainer"
  value     "UnboundedListByValue<$targetClass>")
(object Attribute
  tool      "cg"
  name      "UnorderedUnboundedByValueContainer"
  value     "UnboundedSetByValue<$targetClass>")
(object Attribute
  tool      "cg"
  name      "UnboundedByReferenceContainer"
  value     "UnboundedListByReference<$targetClass>")
(object Attribute
  tool      "cg"
  name      "UnorderedUnboundedByReferenceContainer"
  value     "UnboundedSetByReference<$targetClass>")
(object Attribute
  tool      "cg"

```

```

        name      "QualifiedByValueContainer"
        value      "AssociationByValue<$qualtype, $qualcont>")
(object Attribute
  tool      "cg"
  name      "UnorderedQualifiedByValueContainer"
  value      "DictionaryByValue<$qualtype, $qualcont>")
(object Attribute
  tool      "cg"
  name      "QualifiedByReferenceContainer"
  value      "AssociationByReference<$qualtype, $qualcont>")
(object Attribute
  tool      "cg"
  name      "UnorderedQualifiedByReferenceContainer"
  value      "DictionaryByReference<$qualtype, $qualcont>")
(object Attribute
  tool      "cg"
  name      "GeneratePreserveRegions"
  value      TRUE)))
(object Attribute
  tool      "cg"
  name      "default__Class"
  value      (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "CodeName"
      value      "")
    (object Attribute
      tool      "cg"
      name      "ImplementationType"
      value      "")
    (object Attribute
      tool      "cg"
      name      "ClassKey"
      value      "class")
    (object Attribute
      tool      "cg"
      name      "GenerateEmptyRegions"
      value      ("GenerateEmptyRegionSet" 3))
    (object Attribute
      tool      "cg"
      name      "GenerateEmptyRegionSet"
      value      (list Attribute_Set
        (object Attribute
          tool      "cg"
          name      "None"
          value      0)
        (object Attribute
          tool      "cg"
          name      "Preserved"
          value      1)
        (object Attribute
          tool      "cg"
          name      "Unpreserved"
          value      2)
        (object Attribute
          tool      "cg"
          name      "All"

```

```

        value      3)))
(object Attribute
  tool      "cg"
  name      "PutBodiesInSpec"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateDefaultConstructor"
  value     ("GenerateSet" 199))
(object Attribute
  tool      "cg"
  name      "DefaultConstructorVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "InlineDefaultConstructor"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "ExplicitDefaultConstructor"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateCopyConstructor"
  value     ("GenerateSet" 199))
(object Attribute
  tool      "cg"
  name      "CopyConstructorVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "InlineCopyConstructor"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "ExplicitCopyConstructor"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateDestructor"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "DestructorVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "DestructorKind"
  value     ("ThreeKindSet" 200))
(object Attribute
  tool      "cg"
  name      "InlineDestructor"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateAssignmentOperation"
  value     ("GenerateSet" 199))

```

```
(object Attribute
  tool      "cg"
  name      "AssignmentVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "AssignmentKind"
  value     ("ThreeKindSet" 200))
(object Attribute
  tool      "cg"
  name      "InlineAssignmentOperation"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateEqualityOperations"
  value     ("GenerateSet" 199))
(object Attribute
  tool      "cg"
  name      "EqualityVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "EqualityKind"
  value     ("FriendKindSet" 200))
(object Attribute
  tool      "cg"
  name      "InlineEqualityOperations"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateRelationalOperations"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "RelationalVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "RelationalKind"
  value     ("FriendKindSet" 200))
(object Attribute
  tool      "cg"
  name      "InlineRelationalOperations"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateStorageMgmtOperations"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "StorageMgmtVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "InlineStorageMgmtOperations"
  value     FALSE)
(object Attribute
```

```

    tool      "cg"
    name      "GenerateSubscriptOperation"
    value     FALSE)
(object Attribute
  tool      "cg"
  name      "SubscriptVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "SubscriptKind"
  value     ("ThreeKindSet" 200))
(object Attribute
  tool      "cg"
  name      "SubscriptResultType"
  value     "")
(object Attribute
  tool      "cg"
  name      "InlineSubscriptOperation"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateDereferenceOperation"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "DereferenceVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "DereferenceKind"
  value     ("ThreeKindSet" 200))
(object Attribute
  tool      "cg"
  name      "DereferenceResultType"
  value     "")
(object Attribute
  tool      "cg"
  name      "InlineDereferenceOperation"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateIndirectionOperation"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "IndirectionVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "IndirectionKind"
  value     ("ThreeKindSet" 200))
(object Attribute
  tool      "cg"
  name      "IndirectionResultType"
  value     "")
(object Attribute
  tool      "cg"

```

```

      name      "InlineIndirectionOperation"
      value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateStreamOperations"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "StreamVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "InlineStreamOperations"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "ThreeKindSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Common"
      value     200)
    (object Attribute
      tool      "cg"
      name      "Virtual"
      value     201)
    (object Attribute
      tool      "cg"
      name      "Abstract"
      value     202)))
(object Attribute
  tool      "cg"
  name      "KindSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Common"
      value     200)
    (object Attribute
      tool      "cg"
      name      "Virtual"
      value     201)
    (object Attribute
      tool      "cg"
      name      "Abstract"
      value     202)
    (object Attribute
      tool      "cg"
      name      "Static"
      value     203)))
(object Attribute
  tool      "cg"
  name      "FriendKindSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Common"

```

```

        value      200)
(object Attribute
  tool      "cg"
  name      "Virtual"
  value     201)
(object Attribute
  tool      "cg"
  name      "Abstract"
  value     202)
(object Attribute
  tool      "cg"
  name      "Friend"
  value     204)))
(object Attribute
  tool      "cg"
  name      "GenerateSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "DeclareAndDefine"
      value     199)
    (object Attribute
      tool      "cg"
      name      "DeclareOnly"
      value     205)
    (object Attribute
      tool      "cg"
      name      "DoNotDeclare"
      value     206)))
(object Attribute
  tool      "cg"
  name      "VisibilitySet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Public"
      value     45)
    (object Attribute
      tool      "cg"
      name      "Protected"
      value     44)
    (object Attribute
      tool      "cg"
      name      "Private"
      value     43)
    (object Attribute
      tool      "cg"
      name      "Implementation"
      value     14)))
(object Attribute
  tool      "cg"
  name      "ConstValue"
  value     "")
(object Attribute
  tool      "cg"
  name      "GenerateDefaultSpecifier"
  value     FALSE)

```

```

        (object Attribute
          tool      "cg"
          name      "DefaultSpecifier"
          value     "")))
(object Attribute
  tool      "cg"
  name      "default__Module-Spec"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Generate"
      value     TRUE)
    (object Attribute
      tool      "cg"
      name      "GenerateEmptyRegions"
      value     ("GenerateEmptyRegionSet" 3))
    (object Attribute
      tool      "cg"
      name      "GenerateEmptyRegionSet"
      value     (list Attribute_Set
        (object Attribute
          tool      "cg"
          name      "None"
          value     0)
        (object Attribute
          tool      "cg"
          name      "Preserved"
          value     1)
        (object Attribute
          tool      "cg"
          name      "Unpreserved"
          value     2)
        (object Attribute
          tool      "cg"
          name      "All"
          value     3))))
    (object Attribute
      tool      "cg"
      name      "CmIdentification"
      value     (value Text " %X% %Q% %Z% %W%"))
    (object Attribute
      tool      "cg"
      name      "CopyrightNotice"
      value     (value Text ""))
    (object Attribute
      tool      "cg"
      name      "FileName"
      value     "AUTO GENERATE")
    (object Attribute
      tool      "cg"
      name      "AllowExtensionlessFileName"
      value     FALSE)
    (object Attribute
      tool      "cg"
      name      "InclusionProtectionSymbol"
      value     "AUTO GENERATE")
    (object Attribute

```



```

        tool      "cg"
        name      "IncludeFormat"
        value     (value Text
// $package
#include "$file"
    ))
(object Attribute
  tool      "cg"
  name      "IncludeBySimpleName"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "IncludePrecompiledHeader"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "IncludeOrder"
  value     "AMIR")
(object Attribute
  tool      "cg"
  name      "AdditionalIncludes"
  value     (value Text ""))
(object Attribute
  tool      "cg"
  name      "InliningStyle"
  value     ("InliningStyleSet" 207))
(object Attribute
  tool      "cg"
  name      "InliningStyleSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "InClassDeclaration"
      value     208)
    (object Attribute
      tool      "cg"
      name      "FollowingClassDeclaration"
      value     207)))
(object Attribute
  tool      "cg"
  name      "TypesDefined"
  value     (value Text ""))
(object Attribute
  tool      "cg"
  name      "IncludeClosure"
  value     (value Text "")))
(object Attribute
  tool      "cg"
  name      "default__Module-Body"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Generate"
      value     TRUE)
    (object Attribute
      tool      "cg"

```

```

        name      "GenerateEmptyRegions"
        value      ("GenerateEmptyRegionSet" 3))
(object Attribute
  tool      "cg"
  name      "GenerateEmptyRegionSet"
  value      (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "None"
      value      0)
    (object Attribute
      tool      "cg"
      name      "Preserved"
      value      1)
    (object Attribute
      tool      "cg"
      name      "Unpreserved"
      value      2)
    (object Attribute
      tool      "cg"
      name      "All"
      value      3)))
(object Attribute
  tool      "cg"
  name      "CmIdentification"
  value      (value Text " %X% %Q% %Z% %W%"))
(object Attribute
  tool      "cg"
  name      "CopyrightNotice"
  value      (value Text ""))
(object Attribute
  tool      "cg"
  name      "FileName"
  value      "AUTO GENERATE")
(object Attribute
  tool      "cg"
  name      "AllowExtensionlessFileName"
  value      FALSE)
(object Attribute
  tool      "cg"
  name      "IncludeFormat"
  value      (value Text
|// $package
|include "$file"
|
    ))
(object Attribute
  tool      "cg"
  name      "IncludeBySimpleName"
  value      FALSE)
(object Attribute
  tool      "cg"
  name      "IncludePrecompiledHeader"
  value      TRUE)
(object Attribute
  tool      "cg"
  name      "IncludeOrder"

```

```

        value          "AMIR")
(object Attribute
  tool          "cg"
  name          "AdditionalIncludes"
  value          (value Text ""))
(object Attribute
  tool          "cg"
  name          "InliningStyle"
  value          ("InliningStyleSet" 207))
(object Attribute
  tool          "cg"
  name          "InliningStyleSet"
  value          (list Attribute_Set
    (object Attribute
      tool          "cg"
      name          "InClassDeclaration"
      value          208)
    (object Attribute
      tool          "cg"
      name          "FollowingClassDeclaration"
      value          207)))
(object Attribute
  tool          "cg"
  name          "TypesDefined"
  value          (value Text ""))
(object Attribute
  tool          "cg"
  name          "IncludeClosure"
  value          (value Text "")))
(object Attribute
  tool          "cg"
  name          "default__Operation"
  value          (list Attribute_Set
    (object Attribute
      tool          "cg"
      name          "CodeName"
      value          "")
    (object Attribute
      tool          "cg"
      name          "OperationKind"
      value          ("OperationKindSet" 200))
    (object Attribute
      tool          "cg"
      name          "OperationKindSet"
      value          (list Attribute_Set
        (object Attribute
          tool          "cg"
          name          "Common"
          value          200)
        (object Attribute
          tool          "cg"
          name          "Virtual"
          value          201)
        (object Attribute
          tool          "cg"
          name          "Abstract"
          value          202)

```

```

        (object Attribute
          tool      "cg"
          name      "Static"
          value     203)
        (object Attribute
          tool      "cg"
          name      "Friend"
          value     204)))
(object Attribute
  tool      "cg"
  name      "OperationIsConst"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "OperationIsExplicit"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "Inline"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "EntryCode"
  value     (value Text ""))
(object Attribute
  tool      "cg"
  name      "ExitCode"
  value     (value Text ""))
(object Attribute
  tool      "cg"
  name      "GenerateEmptyRegions"
  value     ("GenerateEmptyRegionSet" 3))
(object Attribute
  tool      "cg"
  name      "GenerateEmptyRegionSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "None"
      value     0)
    (object Attribute
      tool      "cg"
      name      "Preserved"
      value     1)
    (object Attribute
      tool      "cg"
      name      "Unpreserved"
      value     2)
    (object Attribute
      tool      "cg"
      name      "All"
      value     3)))
(object Attribute
  tool      "cg"
  name      "BodyAnnotations"
  value     "")
(object Attribute

```

```

        tool      "cg"
        name      "OperationIsOneWay"
        value     FALSE)
(object Attribute
  tool      "cg"
  name      "Context"
  value     "")
(object Attribute
  tool      "cg"
  name      "Raises"
  value     "")))
(object Attribute
  tool      "cg"
  name      "default__Has"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "CodeName"
      value     "")
    (object Attribute
      tool      "cg"
      name      "Ordered"
      value     TRUE)
    (object Attribute
      tool      "cg"
      name      "NameIfUnlabeled"
      value     "the_$supplier")
    (object Attribute
      tool      "cg"
      name      "GenerateDataMember"
      value     TRUE)
    (object Attribute
      tool      "cg"
      name      "DataMemberName"
      value     "$relationship")
    (object Attribute
      tool      "cg"
      name      "DataMemberVisibility"
      value     ("DataMemberVisibilitySet" 14))
    (object Attribute
      tool      "cg"
      name      "DataMemberVisibilitySet"
      value     (list Attribute_Set
        (object Attribute
          tool      "cg"
          name      "Public"
          value     45)
        (object Attribute
          tool      "cg"
          name      "Protected"
          value     44)
        (object Attribute
          tool      "cg"
          name      "Private"
          value     43)
        (object Attribute
          tool      "cg"

```

```

        name      "Implementation"
        value      14)
    (object Attribute
        tool      "cg"
        name      "AtRelationshipVisibility"
        value      210)))
(object Attribute
    tool      "cg"
    name      "DataMemberMutability"
    value      ("DataMemberMutabilitySet" 0))
(object Attribute
    tool      "cg"
    name      "DataMemberMutabilitySet"
    value      (list Attribute_Set
        (object Attribute
            tool      "cg"
            name      "Unrestricted"
            value      0)
        (object Attribute
            tool      "cg"
            name      "Mutable"
            value      1)
        (object Attribute
            tool      "cg"
            name      "Const"
            value      2)))
(object Attribute
    tool      "cg"
    name      "DataMemberIsVolatile"
    value      FALSE)
(object Attribute
    tool      "cg"
    name      "DataMemberFieldSize"
    value      "")
(object Attribute
    tool      "cg"
    name      "InitialValue"
    value      (value Text ""))
(object Attribute
    tool      "cg"
    name      "GenerateGetOperation"
    value      TRUE)
(object Attribute
    tool      "cg"
    name      "GenerateSetOperation"
    value      TRUE)
(object Attribute
    tool      "cg"
    name      "GetName"
    value      "get_$relationship")
(object Attribute
    tool      "cg"
    name      "SetName"
    value      "set_$relationship")
(object Attribute
    tool      "cg"
    name      "GetSetKinds"

```

```

    value      ("GetSetKindsSet" 200))
(object Attribute
  tool        "cg"
  name        "GetSetKindsSet"
  value      (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Common"
      value     200)
    (object Attribute
      tool      "cg"
      name      "Virtual"
      value     201)
    (object Attribute
      tool      "cg"
      name      "Abstract"
      value     202)
    (object Attribute
      tool      "cg"
      name      "Static"
      value     203)
    (object Attribute
      tool      "cg"
      name      "Friend"
      value     204)))
(object Attribute
  tool        "cg"
  name        "ContainerClass"
  value      "")
(object Attribute
  tool        "cg"
  name        "SelectorName"
  value      "")
(object Attribute
  tool        "cg"
  name        "SelectorType"
  value      "")
(object Attribute
  tool        "cg"
  name        "GetIsConst"
  value      TRUE)
(object Attribute
  tool        "cg"
  name        "GetResultIsConst"
  value      ("GetResultIsConstSet" 2))
(object Attribute
  tool        "cg"
  name        "GetResultIsConstSet"
  value      (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "False"
      value     0)
    (object Attribute
      tool      "cg"
      name      "True"
      value     1)
  )

```

```

        (object Attribute
          tool      "cg"
          name      "Same_As_Function"
          value     2)))
(object Attribute
  tool      "cg"
  name      "GetSetByReference"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "InlineGet"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "SetReturnsValue"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "InlineSet"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "ForwardReferenceOnly"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateForwardReference"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "IsReadOnly"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "BoundedHasRelType"
  value     ("HasRelTypeSet" 47))
(object Attribute
  tool      "cg"
  name      "HasRelTypeSet"
  value     (list Attribute_Set
              (object Attribute
                tool      "cg"
                name      "Array"
                value     24)
              (object Attribute
                tool      "cg"
                name      "Sequence"
                value     47)))))
(object Attribute
  tool      "cg"
  name      "default__Association"
  value     (list Attribute_Set
              (object Attribute
                tool      "cg"
                name      "NameIfUnlabeled"
                value     "the_$targetClass"))))
(object Attribute

```



```

tool      "cg"
name      "default__Inherit"
value     (list Attribute_Set
           (object Attribute
             tool      "cg"
             name      "InstanceArguments"
             value     "")))
(object Attribute
  tool      "cg"
  name      "default__Role"
  value     (list Attribute_Set
            (object Attribute
              tool      "cg"
              name      "CodeName"
              value     "")
            (object Attribute
              tool      "cg"
              name      "ForwardReferenceOnly"
              value     FALSE)
            (object Attribute
              tool      "cg"
              name      "NameIfUnlabeled"
              value     "the_$targetClass")
            (object Attribute
              tool      "cg"
              name      "GenerateDataMember"
              value     TRUE)
            (object Attribute
              tool      "cg"
              name      "DataMemberName"
              value     "$target")
            (object Attribute
              tool      "cg"
              name      "DataMemberVisibility"
              value     ("DataMemberVisibilitySet" 14))
            (object Attribute
              tool      "cg"
              name      "DataMemberVisibilitySet"
              value     (list Attribute_Set
                        (object Attribute
                          tool      "cg"
                          name      "Public"
                          value     45)
                        (object Attribute
                          tool      "cg"
                          name      "Protected"
                          value     44)
                        (object Attribute
                          tool      "cg"
                          name      "Private"
                          value     43)
                        (object Attribute
                          tool      "cg"
                          name      "Implementation"
                          value     14)
                        (object Attribute
                          tool      "cg"

```

```

        name      "AtRelationshipVisibility"
        value      210)))
(object Attribute
  tool      "cg"
  name      "DataMemberMutability"
  value      ("DataMemberMutabilitySet" 0))
(object Attribute
  tool      "cg"
  name      "DataMemberMutabilitySet"
  value      (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Unrestricted"
      value      0)
    (object Attribute
      tool      "cg"
      name      "Mutable"
      value      1)
    (object Attribute
      tool      "cg"
      name      "Const"
      value      2)))
(object Attribute
  tool      "cg"
  name      "DataMemberIsVolatile"
  value      FALSE)
(object Attribute
  tool      "cg"
  name      "DataMemberFieldSize"
  value      "")
(object Attribute
  tool      "cg"
  name      "InitialValue"
  value      (value Text ""))
(object Attribute
  tool      "cg"
  name      "ContainerClass"
  value      "")
(object Attribute
  tool      "cg"
  name      "ContainerGet"
  value      "$data.get($keys)")
(object Attribute
  tool      "cg"
  name      "ContainerSet"
  value      "$data.set($keys,$value)")
(object Attribute
  tool      "cg"
  name      "QualifiedContainer"
  value      "")
(object Attribute
  tool      "cg"
  name      "AssocClassContainer"
  value      "$supplier *")
(object Attribute
  tool      "cg"
  name      "AssocClassInitialValue"

```

```

    value      (value Text "")
(object Attribute
  tool        "cg"
  name        "GetSetKinds"
  value      ("GetSetKindsSet" 200))
(object Attribute
  tool        "cg"
  name        "GetSetKindsSet"
  value      (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Common"
      value     200)
    (object Attribute
      tool      "cg"
      name      "Virtual"
      value     201)
    (object Attribute
      tool      "cg"
      name      "Abstract"
      value     202)
    (object Attribute
      tool      "cg"
      name      "Static"
      value     203)
    (object Attribute
      tool      "cg"
      name      "Friend"
      value     204)))
(object Attribute
  tool      "cg"
  name      "GetSetByReference"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateGetOperation"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GetName"
  value     "get_$target")
(object Attribute
  tool      "cg"
  name      "GetIsConst"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GetResultIsConst"
  value     ("GetResultIsConstSet" 2))
(object Attribute
  tool      "cg"
  name      "GetResultIsConstSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "False"
      value     0)

```

```

        (object Attribute
          tool      "cg"
          name      "True"
          value     1)
        (object Attribute
          tool      "cg"
          name      "Same_As_Function"
          value     2)))
(object Attribute
  tool      "cg"
  name      "InlineGet"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GenerateSetOperation"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "SetName"
  value     "set_$target")
(object Attribute
  tool      "cg"
  name      "SetReturnsValue"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "InlineSet"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "QualifiedGetSetByReference"
  value     ("QualifiedGetSetByReferenceSet" 2))
(object Attribute
  tool      "cg"
  name      "QualifiedGetSetByReferenceSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "False"
      value     0)
    (object Attribute
      tool      "cg"
      name      "True"
      value     1)
    (object Attribute
      tool      "cg"
      name      "Same_As_GetSetByReference"
      value     2)))
(object Attribute
  tool      "cg"
  name      "GenerateQualifiedGetOperation"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "QualifiedGetName"
  value     "get_$target")
(object Attribute

```

```

    tool      "cg"
    name      "QualifiedGetIsConst"
    value     TRUE)
(object Attribute
  tool      "cg"
  name      "QualifiedGetResultIsConst"
  value     ("GetResultIsConstSet" 2))
(object Attribute
  tool      "cg"
  name      "InlineQualifiedGet"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GenerateQualifiedSetOperation"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "QualifiedSetName"
  value     "set_$target")
(object Attribute
  tool      "cg"
  name      "QualifiedSetReturnsValue"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "InlineQualifiedSet"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GenerateAssocClassDataMember"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "AssocClassDataMemberName"
  value     "$target")
(object Attribute
  tool      "cg"
  name      "AssocClassDataMemberVisibility"
  value     ("DataMemberVisibilitySet" 14))
(object Attribute
  tool      "cg"
  name      "DataMemberVisibilitySet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Public"
      value     45)
    (object Attribute
      tool      "cg"
      name      "Protected"
      value     44)
    (object Attribute
      tool      "cg"
      name      "Private"
      value     43)
    (object Attribute
      tool      "cg"

```

```

        name      "Implementation"
        value      14)
    (object Attribute
        tool      "cg"
        name      "AtRelationshipVisibility"
        value      210)))
(object Attribute
    tool      "cg"
    name      "AssocClassDataMemberMutability"
    value      ("DataMemberMutabilitySet" 0))
(object Attribute
    tool      "cg"
    name      "DataMemberMutabilitySet"
    value      (list Attribute_Set
        (object Attribute
            tool      "cg"
            name      "Unrestricted"
            value      0)
        (object Attribute
            tool      "cg"
            name      "Mutable"
            value      1)
        (object Attribute
            tool      "cg"
            name      "Const"
            value      2)))
(object Attribute
    tool      "cg"
    name      "AssocClassDataMemberIsVolatile"
    value      FALSE)
(object Attribute
    tool      "cg"
    name      "AssocClassGetSetKinds"
    value      ("GetSetKindsSet" 200))
(object Attribute
    tool      "cg"
    name      "GenerateAssocClassGetOperation"
    value      TRUE)
(object Attribute
    tool      "cg"
    name      "AssocClassGetName"
    value      "get_$target")
(object Attribute
    tool      "cg"
    name      "AssocClassGetIsConst"
    value      TRUE)
(object Attribute
    tool      "cg"
    name      "AssocClassGetResultIsConst"
    value      ("GetResultIsConstSet" 2))
(object Attribute
    tool      "cg"
    name      "InlineAssocClassGet"
    value      TRUE)
(object Attribute
    tool      "cg"
    name      "GenerateAssocClassSetOperation"

```

```

        value      TRUE)
(object Attribute
  tool      "cg"
  name      "AssocClassSetName"
  value     "set_$target")
(object Attribute
  tool      "cg"
  name      "AssocClassSetReturnsValue"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "InlineAssocClassSet"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "AssocClassForwardReferenceOnly"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GenerateForwardReference"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "IsReadOnly"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "BoundedRoleType"
  value     ("AssocTypeSet" 47))
(object Attribute
  tool      "cg"
  name      "AssocTypeSet"
  value     (list Attribute_Set
              (object Attribute
                tool      "cg"
                name      "Array"
                value     24)
              (object Attribute
                tool      "cg"
                name      "Sequence"
                value     47))))))
(object Attribute
  tool      "cg"
  name      "default__Attribute"
  value     (list Attribute_Set
              (object Attribute
                tool      "cg"
                name      "CodeName"
                value     "")
              (object Attribute
                tool      "cg"
                name      "GenerateDataMember"
                value     TRUE)
              (object Attribute
                tool      "cg"
                name      "DataMemberName"
                value     "$attribute")

```

```

(object Attribute
  tool      "cg"
  name      "DataMemberVisibility"
  value     ("DataMemberVisibilitySet" 14))
(object Attribute
  tool      "cg"
  name      "DataMemberVisibilitySet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Public"
      value     45)
    (object Attribute
      tool      "cg"
      name      "Protected"
      value     44)
    (object Attribute
      tool      "cg"
      name      "Private"
      value     43)
    (object Attribute
      tool      "cg"
      name      "Implementation"
      value     14)
    (object Attribute
      tool      "cg"
      name      "AtAttributeVisibility"
      value     211)))
(object Attribute
  tool      "cg"
  name      "DataMemberMutability"
  value     ("DataMemberMutabilitySet" 0))
(object Attribute
  tool      "cg"
  name      "DataMemberMutabilitySet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Unrestricted"
      value     0)
    (object Attribute
      tool      "cg"
      name      "Mutable"
      value     1)
    (object Attribute
      tool      "cg"
      name      "Const"
      value     2)))
(object Attribute
  tool      "cg"
  name      "DataMemberIsVolatile"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "DataMemberFieldSize"
  value     "")
(object Attribute

```



```

    tool      "cg"
    name      "GenerateGetOperation"
    value     TRUE)
(object Attribute
  tool      "cg"
  name      "GenerateSetOperation"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GetName"
  value     "get_$attribute")
(object Attribute
  tool      "cg"
  name      "SetName"
  value     "set_$attribute")
(object Attribute
  tool      "cg"
  name      "GetSetKinds"
  value     ("GetSetKindsSet" 200))
(object Attribute
  tool      "cg"
  name      "GetSetKindsSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Common"
      value     200)
    (object Attribute
      tool      "cg"
      name      "Virtual"
      value     201)
    (object Attribute
      tool      "cg"
      name      "Abstract"
      value     202)
    (object Attribute
      tool      "cg"
      name      "Static"
      value     203)
    (object Attribute
      tool      "cg"
      name      "Friend"
      value     204)))
(object Attribute
  tool      "cg"
  name      "GetIsConst"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GetResultIsConst"
  value     ("GetResultIsConstSet" 2))
(object Attribute
  tool      "cg"
  name      "GetResultIsConstSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"

```

```

        name      "False"
        value      0)
      (object Attribute
        tool      "cg"
        name      "True"
        value      1)
      (object Attribute
        tool      "cg"
        name      "Same_As_Function"
        value      2)))
    (object Attribute
      tool      "cg"
      name      "GetSetByReference"
      value      FALSE)
    (object Attribute
      tool      "cg"
      name      "InlineGet"
      value      TRUE)
    (object Attribute
      tool      "cg"
      name      "SetReturnsValue"
      value      FALSE)
    (object Attribute
      tool      "cg"
      name      "InlineSet"
      value      TRUE)
    (object Attribute
      tool      "cg"
      name      "CaseSpecifier"
      value      "")
    (object Attribute
      tool      "cg"
      name      "IsReadOnly"
      value      FALSE)))
  (object Attribute
    tool      "cg"
    name      "default__Uses"
    value      (list Attribute_Set
      (object Attribute
        tool      "cg"
        name      "ForwardReferenceOnly"
        value      FALSE)
      (object Attribute
        tool      "cg"
        name      "BodyReferenceOnly"
        value      FALSE)
      (object Attribute
        tool      "cg"
        name      "GenerateForwardReference"
        value      FALSE)))
  (object Attribute
    tool      "cg"
    name      "default__Subsystem"
    value      (list Attribute_Set
      (object Attribute
        tool      "cg"
        name      "Directory"

```

```

        value          "AUTO GENERATE")
    (object Attribute
        tool            "cg"
        name            "DirectoryIsOnSearchList"
        value          FALSE)
    (object Attribute
        tool            "cg"
        name            "PrecompiledHeader"
        value          "")))
(object Attribute
    tool            "cg"
    name            "default__Category"
    value          (list Attribute_Set
        (object Attribute
            tool            "cg"
            name            "IsNamespace"
            value          FALSE)
        (object Attribute
            tool            "cg"
            name            "Indent"
            value          2)
        (object Attribute
            tool            "cg"
            name            "CodeName"
            value          "")
        (object Attribute
            tool            "cg"
            name            "GenerateEmptyRegions"
            value          ("GenerateEmptyRegionSet" 3))
        (object Attribute
            tool            "cg"
            name            "GenerateEmptyRegionSet"
            value          (list Attribute_Set
                (object Attribute
                    tool            "cg"
                    name            "None"
                    value          0)
                (object Attribute
                    tool            "cg"
                    name            "Preserved"
                    value          1)
                (object Attribute
                    tool            "cg"
                    name            "Unpreserved"
                    value          2)
                (object Attribute
                    tool            "cg"
                    name            "All"
                    value          3)))))
    (object Attribute
        tool            "MSVC"
        name            "propertyId"
        value          "809135966")
(object Attribute
    tool            "MSVC"
    name            "default__Project"
    value          (list Attribute_Set

```

```

        (object Attribute
          tool      "MSVC"
          name      "Version"
          value      "5.0"))
(object Attribute
  tool      "MSVC"
  name      "default__Class"
  value      (list Attribute_Set
    (object Attribute
      tool      "MSVC"
      name      "Type"
      value      ("MSVCClassTypeSet" 0))
    (object Attribute
      tool      "MSVC"
      name      "MSVCClassTypeSet"
      value      (list Attribute_Set
        (object Attribute
          tool      "MSVC"
          name      "Normal"
          value      0)
        (object Attribute
          tool      "MSVC"
          name      "Interface_Part"
          value      1)
        (object Attribute
          tool      "MSVC"
          name      "Connection_Part"
          value      2)
        (object Attribute
          tool      "MSVC"
          name      "Class_Factory"
          value      3)))
    (object Attribute
      tool      "MSVC"
      name      "CObjectFunctionality"
      value      ("CObjectFunctionalitySet" 0))
    (object Attribute
      tool      "MSVC"
      name      "CObjectFunctionalitySet"
      value      (list Attribute_Set
        (object Attribute
          tool      "MSVC"
          name      "None"
          value      0)
        (object Attribute
          tool      "MSVC"
          name      "Dynamic"
          value      1)
        (object Attribute
          tool      "MSVC"
          name      "Dyncreate"
          value      2)
        (object Attribute
          tool      "MSVC"
          name      "Serial"
          value      3)))
    (object Attribute

```

```

    tool      "MSVC"
    name      "GenerateOverrideGroup"
    value     FALSE)
(object Attribute
  tool      "MSVC"
  name      "GenerateDataGroup"
  value     FALSE)
(object Attribute
  tool      "MSVC"
  name      "AFX_DATA_Entries"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "GenerateFieldGroup"
  value     FALSE)
(object Attribute
  tool      "MSVC"
  name      "AFX_FIELD_Entries"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "GenerateMessageGroup"
  value     FALSE)
(object Attribute
  tool      "MSVC"
  name      "GenerateMessageMap"
  value     FALSE)
(object Attribute
  tool      "MSVC"
  name      "AFX_MSG_MAP_Entries"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "MESSAGE_MAP_Entries"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "OLEFactory"
  value     ("OLEFactorySet" 0))
(object Attribute
  tool      "MSVC"
  name      "OLEFactorySet"
  value     (list Attribute_Set
    (object Attribute
      tool      "MSVC"
      name      "None"
      value     0)
    (object Attribute
      tool      "MSVC"
      name      "Built_in"
      value     1)
    (object Attribute
      tool      "MSVC"
      name      "Simple"
      value     2)
    (object Attribute
      tool      "MSVC"

```

```

        name      "Licensed"
        value      3)))
(object Attribute
  tool      "MSVC"
  name      "OLEName"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "OLEClassID"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "GenerateOLECtlType"
  value      FALSE)
(object Attribute
  tool      "MSVC"
  name      "OLECtlType"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "GenerateOLETypeLib"
  value      FALSE)
(object Attribute
  tool      "MSVC"
  name      "OLETypeLibID"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "OLETypeLibMajor"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "OLETypeLibMinor"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "GeneratePropPageIDs"
  value      FALSE)
(object Attribute
  tool      "MSVC"
  name      "OLEPropPageIDs"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "GenerateDispatchMap"
  value      FALSE)
(object Attribute
  tool      "MSVC"
  name      "AFX_DISPATCH_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "AFX_DISPATCH_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "DISPATCH_MAP_Entries"

```

```

    value      (value Text "")
(object Attribute
  tool        "MSVC"
  name        "StockProperties"
  value      (value Text ""))
(object Attribute
  tool        "MSVC"
  name        "StockFunctions"
  value      (value Text ""))
(object Attribute
  tool        "MSVC"
  name        "DispatchDefValue"
  value      "")
(object Attribute
  tool        "MSVC"
  name        "GenerateDispIdEnum"
  value      FALSE)
(object Attribute
  tool        "MSVC"
  name        "AFX_DISP_ID_Entries"
  value      (value Text ""))
(object Attribute
  tool        "MSVC"
  name        "GenerateInterfaceMap"
  value      FALSE)
(object Attribute
  tool        "MSVC"
  name        "INTERFACE_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool        "MSVC"
  name        "InitInterface"
  value      "")
(object Attribute
  tool        "MSVC"
  name        "GenerateEventMap"
  value      FALSE)
(object Attribute
  tool        "MSVC"
  name        "AFX_EVENT_Entries"
  value      (value Text ""))
(object Attribute
  tool        "MSVC"
  name        "AFX_EVENT_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool        "MSVC"
  name        "EVENT_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool        "MSVC"
  name        "StockEvents"
  value      (value Text ""))
(object Attribute
  tool        "MSVC"
  name        "GenerateEventSinkMap"
  value      FALSE)

```

```

(object Attribute
  tool      "MSVC"
  name      "AFX_EVENTSINK_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "AFX_EVENTSINK_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "EVENTSINK_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "PropNotifySinks"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "GenerateConnectionMap"
  value      FALSE)
(object Attribute
  tool      "MSVC"
  name      "CONNECTION_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "ConnectionPointIID"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "InheritanceType"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "DeclSpec"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "OLECommands"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "MFCDeclares"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "MFCImplements"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "ATL_Declares"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "GenerateCOMMap"
  value      FALSE)
(object Attribute

```



```

        tool      "MSVC"
        name      "COM_MAP_Entries"
        value     (value Text "")
    (object Attribute
        tool      "MSVC"
        name      "GenerateConnectionPointMap"
        value     FALSE)
    (object Attribute
        tool      "MSVC"
        name      "CONNECTION_POINT_MAP_Entries"
        value     (value Text ""))
    (object Attribute
        tool      "MSVC"
        name      "GenerateMsgMap"
        value     FALSE)
    (object Attribute
        tool      "MSVC"
        name      "MSG_MAP_Entries"
        value     (value Text ""))
    (object Attribute
        tool      "MSVC"
        name      "GeneratePropertyMap"
        value     FALSE)
    (object Attribute
        tool      "MSVC"
        name      "PROPERTY_MAP_Entries"
        value     (value Text "")))
(object Attribute
    tool      "MSVC"
    name      "default__Operation"
    value     (list Attribute_Set
        (object Attribute
            tool      "MSVC"
            name      "Type"
            value     ("MSVCOperationTypeSet" 0))
        (object Attribute
            tool      "MSVC"
            name      "MSVCOperationTypeSet"
            value     (list Attribute_Set
                (object Attribute
                    tool      "MSVC"
                    name      "Normal"
                    value     0)
                (object Attribute
                    tool      "MSVC"
                    name      "Virtual_Override"
                    value     1)
                (object Attribute
                    tool      "MSVC"
                    name      "Message_Handler"
                    value     2)
                (object Attribute
                    tool      "MSVC"
                    name      "Dispatch_Handler"
                    value     3)
                (object Attribute
                    tool      "MSVC"

```

```

        name      "Event_Firing_Function"
        value      4)
(object Attribute
  tool      "MSVC"
  name      "Event_Sink_Handler"
  value      5)
(object Attribute
  tool      "MSVC"
  name      "Std_OLE_Method"
  value      6)
(object Attribute
  tool      "MSVC"
  name      "Command_Parser"
  value      7)
(object Attribute
  tool      "MSVC"
  name      "Property_Get_Function"
  value      8)
(object Attribute
  tool      "MSVC"
  name      "Property_Set_Function"
  value      9)
(object Attribute
  tool      "MSVC"
  name      "Property_Notify_Function"
  value      10)
(object Attribute
  tool      "MSVC"
  name      "Macro_Generated_Function"
  value      11))
(object Attribute
  tool      "MSVC"
  name      "AFX_MSG_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "MESSAGE_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "AFX_DISPATCH_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "DISPATCH_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "AFX_EVENT_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "EVENT_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "AFX_EVENTSINK_MAP_Entries"

```

```

        value      (value Text "")
    (object Attribute
        tool      "MSVC"
        name      "EVENTSINK_MAP_Entries"
        value      (value Text "")
    (object Attribute
        tool      "MSVC"
        name      "CallType"
        value      "")
    (object Attribute
        tool      "MSVC"
        name      "DeclSpec"
        value      "")
    (object Attribute
        tool      "MSVC"
        name      "BodyImage"
        value      (value Text ""))))
(object Attribute
    tool      "MSVC"
    name      "default__Role"
    value      (list Attribute_Set
        (object Attribute
            tool      "MSVC"
            name      "Type"
            value      ("MSVCAttributeTypeSet" 0))
        (object Attribute
            tool      "MSVC"
            name      "MSVCAttributeTypeSet"
            value      (list Attribute_Set
                (object Attribute
                    tool      "MSVC"
                    name      "Normal"
                    value      0)
                (object Attribute
                    tool      "MSVC"
                    name      "Member_Property"
                    value      1)
                (object Attribute
                    tool      "MSVC"
                    name      "Get_Set_Property"
                    value      2)
                (object Attribute
                    tool      "MSVC"
                    name      "Dialog_Data"
                    value      3)
                (object Attribute
                    tool      "MSVC"
                    name      "Field_Data"
                    value      4)
                (object Attribute
                    tool      "MSVC"
                    name      "Stock_Property"
                    value      5)))
    (object Attribute
        tool      "MSVC"
        name      "AFX_DISPATCH_MAP_Entries"
        value      (value Text ""))

```

```

(object Attribute
  tool      "MSVC"
  name      "DISPATCH_MAP_Entries"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "DeclSpec"
  value     "")
(object Attribute
  tool      "MSVC"
  name      "PointerBase"
  value     "")
(object Attribute
  tool      "MSVC"
  name      "CallType"
  value     "")
(object Attribute
  tool      "MSVC"
  name      "StockPropertyImplementation"
  value     ""))
(object Attribute
  tool      "MSVC"
  name      "default__Has"
  value     (list Attribute_Set
    (object Attribute
      tool      "MSVC"
      name      "Type"
      value     ("MSVCAttributeTypeSet" 0))
    (object Attribute
      tool      "MSVC"
      name      "MSVCAttributeTypeSet"
      value     (list Attribute_Set
        (object Attribute
          tool      "MSVC"
          name      "Normal"
          value     0)
        (object Attribute
          tool      "MSVC"
          name      "Member_Property"
          value     1)
        (object Attribute
          tool      "MSVC"
          name      "Get_Set_Property"
          value     2)
        (object Attribute
          tool      "MSVC"
          name      "Dialog_Data"
          value     3)
        (object Attribute
          tool      "MSVC"
          name      "Field_Data"
          value     4)
        (object Attribute
          tool      "MSVC"
          name      "Stock_Property"
          value     5)))
    (object Attribute

```

```

        tool          "MSVC"
        name          "AFX_DISPATCH_MAP_Entries"
        value          (value Text "")
    (object Attribute
        tool          "MSVC"
        name          "DISPATCH_MAP_Entries"
        value          (value Text "")
    (object Attribute
        tool          "MSVC"
        name          "DeclSpec"
        value          "")
    (object Attribute
        tool          "MSVC"
        name          "PointerBase"
        value          "")
    (object Attribute
        tool          "MSVC"
        name          "CallType"
        value          "")
    (object Attribute
        tool          "MSVC"
        name          "StockPropertyImplementation"
        value          "")))
(object Attribute
    tool          "MSVC"
    name          "default__Attribute"
    value          (list Attribute_Set
        (object Attribute
            tool          "MSVC"
            name          "Type"
            value          ("MSVCAttributeTypeSet" 0))
        (object Attribute
            tool          "MSVC"
            name          "MSVCAttributeTypeSet"
            value          (list Attribute_Set
                (object Attribute
                    tool          "MSVC"
                    name          "Normal"
                    value          0)
                (object Attribute
                    tool          "MSVC"
                    name          "Member_Property"
                    value          1)
                (object Attribute
                    tool          "MSVC"
                    name          "Get_Set_Property"
                    value          2)
                (object Attribute
                    tool          "MSVC"
                    name          "Dialog_Data"
                    value          3)
                (object Attribute
                    tool          "MSVC"
                    name          "Field_Data"
                    value          4)
                (object Attribute
                    tool          "MSVC"

```

```

        name      "Stock_Property"
        value      5)))
(object Attribute
  tool      "MSVC"
  name      "AFX_DISPATCH_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "DISPATCH_MAP_Entries"
  value      (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "DeclSpec"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "PointerBase"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "CallType"
  value      "")
(object Attribute
  tool      "MSVC"
  name      "StockPropertyImplementation"
  value      ""))
(object Attribute
  tool      "MSVC"
  name      "default__Module-Spec"
  value      (list Attribute_Set
    (object Attribute
      tool      "MSVC"
      name      "GenerateIncludesGroup"
      value      FALSE)
    (object Attribute
      tool      "MSVC"
      name      "AFX_INCLUDES_Entries"
      value      (value Text ""))
    (object Attribute
      tool      "MSVC"
      name      "GenerateInsertLocation"
      value      FALSE)))
(object Attribute
  tool      "MSVC"
  name      "default__Module-Body"
  value      (list Attribute_Set
    (object Attribute
      tool      "MSVC"
      name      "GenerateIncludesGroup"
      value      FALSE)
    (object Attribute
      tool      "MSVC"
      name      "AFX_INCLUDES_Entries"
      value      (value Text ""))
    (object Attribute
      tool      "MSVC"
      name      "GenerateInsertLocation"

```

```

        value      FALSE)))
(object Attribute
  tool      "cg"
  name      "HiddenTool"
  value     FALSE)
(object Attribute
  tool      "SCC"
  name      "HiddenTool"
  value     FALSE)
(object Attribute
  tool      "TypeLibImporter"
  name      "HiddenTool"
  value     FALSE)
(object Attribute
  tool      "Visual Basic"
  name      "propertyId"
  value     "783606378")
(object Attribute
  tool      "Visual Basic"
  name      "default__Class"
  value     (list Attribute_Set
    (object Attribute
      tool      "Visual Basic"
      name      "CreatableSet"
      value     (list Attribute_Set
        (object Attribute
          tool      "Visual Basic"
          name      "Private"
          value     221)
        (object Attribute
          tool      "Visual Basic"
          name      "PublicNotCreatable"
          value     213)
        (object Attribute
          tool      "Visual Basic"
          name      "SingleUse"
          value     214)
        (object Attribute
          tool      "Visual Basic"
          name      "GlobalSingleUse"
          value     215)
        (object Attribute
          tool      "Visual Basic"
          name      "MultiUse"
          value     219)
        (object Attribute
          tool      "Visual Basic"
          name      "GlobalMultiUse"
          value     220)))
    (object Attribute
      tool      "Visual Basic"
      name      "OptionBase"
      value     "0")
    (object Attribute
      tool      "Visual Basic"
      name      "OptionExplicit"
      value     TRUE)

```

```

(object Attribute
  tool      "Visual Basic"
  name      "OptionCompare"
  value      ("CompareSet" 202))
(object Attribute
  tool      "Visual Basic"
  name      "Creatable"
  value      ("CreatableSet" 221))
(object Attribute
  tool      "Visual Basic"
  name      "GenerateInitialization"
  value      FALSE)
(object Attribute
  tool      "Visual Basic"
  name      "GenerateTermination"
  value      FALSE)
(object Attribute
  tool      "Visual Basic"
  name      "CollectionClass"
  value      "Collection")
(object Attribute
  tool      "Visual Basic"
  name      "CompareSet"
  value      (list Attribute_Set
              (object Attribute
                tool      "Visual Basic"
                name      "None"
                value      202)
              (object Attribute
                tool      "Visual Basic"
                name      "Binary"
                value      203)
              (object Attribute
                tool      "Visual Basic"
                name      "Text"
                value      204))))))
(object Attribute
  tool      "Visual Basic"
  name      "default__Operation"
  value      (list Attribute_Set
              (object Attribute
                tool      "Visual Basic"
                name      "OperationName"
                value      "$operation")
              (object Attribute
                tool      "Visual Basic"
                name      "LibraryName"
                value      "")
              (object Attribute
                tool      "Visual Basic"
                name      "AliasName"
                value      ""))
              (object Attribute
                tool      "Visual Basic"
                name      "IsStatic"
                value      FALSE)
              (object Attribute

```



```

        tool      "Visual Basic"
        name      "EntryCode"
        value      (value Text "")
    (object Attribute
        tool      "Visual Basic"
        name      "ExitCode"
        value      (value Text "")))
(object Attribute
    tool      "Visual Basic"
    name      "default__Attribute"
    value      (list Attribute_Set
        (object Attribute
            tool      "Visual Basic"
            name      "IsConst"
            value      FALSE)
        (object Attribute
            tool      "Visual Basic"
            name      "New"
            value      FALSE)
        (object Attribute
            tool      "Visual Basic"
            name      "WithEvents"
            value      FALSE)
        (object Attribute
            tool      "Visual Basic"
            name      "Subscript"
            value      "")
        (object Attribute
            tool      "Visual Basic"
            name      "NameIfUnlabeled"
            value      "the$supplier")
        (object Attribute
            tool      "Visual Basic"
            name      "GenerateDataMember"
            value      TRUE)
        (object Attribute
            tool      "Visual Basic"
            name      "DataMemberName"
            value      "$relationship")
        (object Attribute
            tool      "Visual Basic"
            name      "GenerateGetOperation"
            value      FALSE)
        (object Attribute
            tool      "Visual Basic"
            name      "GenerateSetOperation"
            value      FALSE)
        (object Attribute
            tool      "Visual Basic"
            name      "GenerateLetOperation"
            value      FALSE)))
(object Attribute
    tool      "Visual Basic"
    name      "default__Role"
    value      (list Attribute_Set
        (object Attribute
            tool      "Visual Basic"

```

```

        name      "New"
        value      FALSE)
(object Attribute
  tool      "Visual Basic"
  name      "WithEvents"
  value      FALSE)
(object Attribute
  tool      "Visual Basic"
  name      "Subscript"
  value      "")
(object Attribute
  tool      "Visual Basic"
  name      "NameIfUnlabeled"
  value      "the$supplier")
(object Attribute
  tool      "Visual Basic"
  name      "GenerateDataMember"
  value      TRUE)
(object Attribute
  tool      "Visual Basic"
  name      "DataMemberName"
  value      "$relationship")
(object Attribute
  tool      "Visual Basic"
  name      "GenerateGetOperation"
  value      FALSE)
(object Attribute
  tool      "Visual Basic"
  name      "GenerateSetOperation"
  value      FALSE)
(object Attribute
  tool      "Visual Basic"
  name      "GenerateLetOperation"
  value      FALSE))
(object Attribute
  tool      "Visual Basic"
  name      "default__Inherit"
  value      (list Attribute_Set
    (object Attribute
      tool      "Visual Basic"
      name      "ImplementsDelegation"
      value      TRUE)))
(object Attribute
  tool      "Visual Basic"
  name      "default__Module-Spec"
  value      (list Attribute_Set
    (object Attribute
      tool      "Visual Basic"
      name      "ProjectFile"
      value      "")))
(object Attribute
  tool      "Visual Basic"
  name      "HiddenTool"
  value      FALSE)
(object Attribute
  tool      "VisualStudio"
  name      "HiddenTool"

```

```
value      FALSE))  
quid      "369CABC800AA"))
```